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THE CHEMIST AND DRUGGIST

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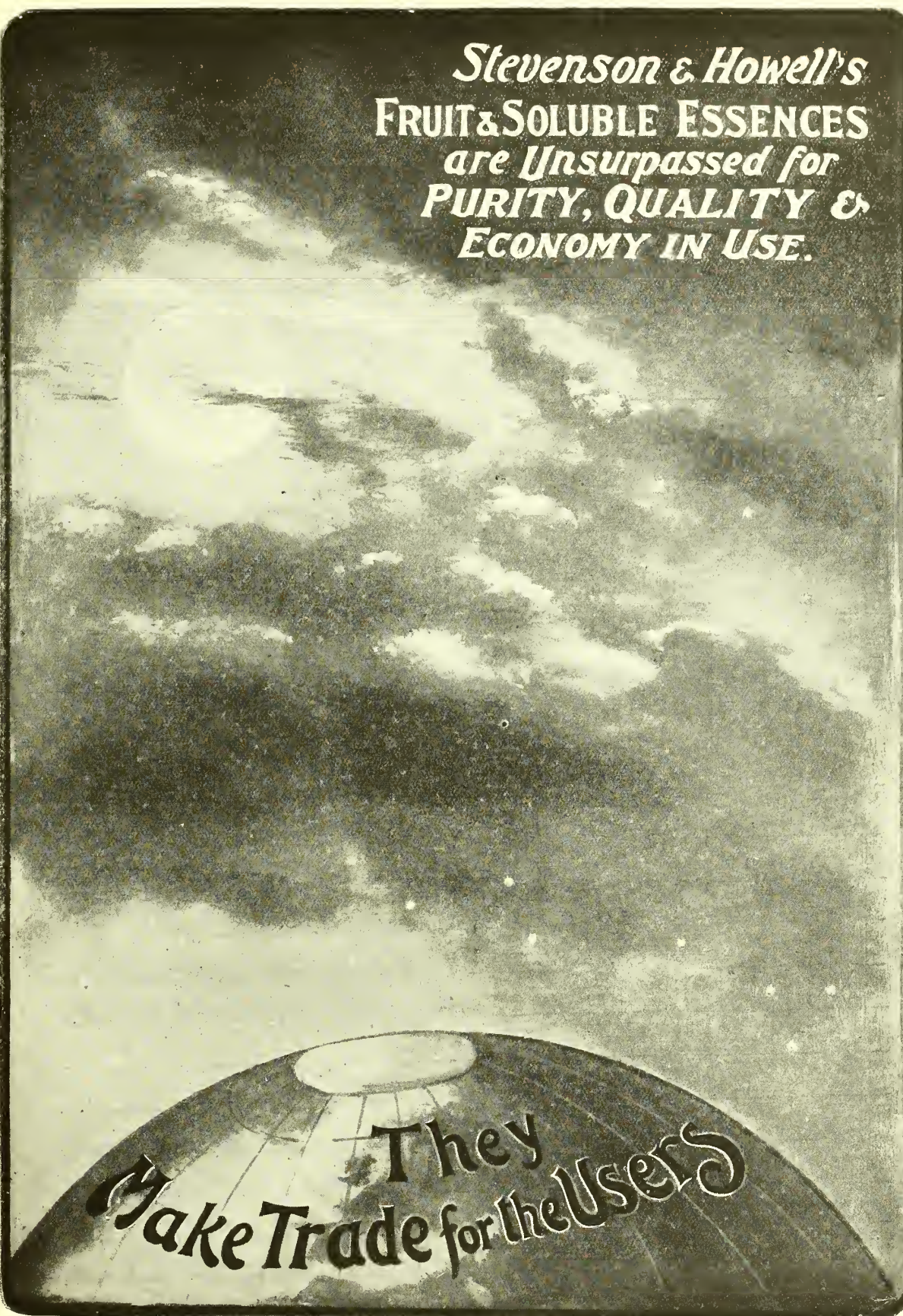
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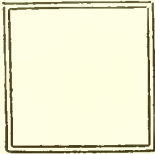


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Woods, W., & Son
Woolley, J., Sons & Co., Ltd.**DIABETIC BREAD AND FOOD**Callard & Co.
Van Abbott, G., & Sons**DIGESTIVE PRODUCTS**Armour & Co., Ltd.
Benger's Food, Ltd.
Fairchild Bros. & Foster
Parke, Davis & Co.
Squire & Sons
Zimmermann, C., & Co.**DISINFECTANTS**Baiss Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood, Ltd.
Calvert, F. C., & Co.
Condy & Mitchell, Ltd.
Dalmas, A. de St., & Co.
Edwards, W., & Son
Jeyes' Sanitary Compounds, Ltd.
Kay Bros., Ltd.
Lambert Pharmacal Co.
Morris Little & Son, Ltd.
Roberts, Cornford & Co.
Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.
Willows, Francis B. & T.
Wright, Layman & Umney, Ltd.
Zimmermann, C., & Co.**DOG BISCUITS AND PREPS.**

Spratt's Patent, Ltd.

DRUGGISTS' SUNDRIESAyrton, Sanders & Co., Ltd.
Barclay & Sons, Ltd.
Berliner, Arthur
Burge, Warren & Ridgley
Chemists' Co-operative Wholesale
Christy, T., & Co.
Cook, Alfred, & Co.
Edwards, W., & Son
Evans Sons Lescher & Webb
Fecher, M. J.
Hay, J. B., & Co.
Hewlett, C. J., & Sons
Hovenden, R., & Sons, Ltd.
Johnsen & Jorgensen, Ltd.
Lennon, Ltd.
Maw, S., Son & Sons
May, Roberts & Co.
Murdoch, John, & Co.
Newbery, F., & Sons, Ltd.
Pothe, H., & Co.
Quelch, H. C., & Co.
Renter, R. J.
Sangers'
Schntze, F., & Co.
Solport Bros.
Sonthall Bros. & Barclay, Ltd.
Taylor, F. H., & Sons
Tidman & Son, Ltd.
Toogood, W., Ltd.
Viscose Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co.**DRUGS, CRUDE**Potter & Clarke, Ltd.
Ransom, W., & Son**DYES**Judson, D., & Son
Whitaker & Co.**EAU DE COLOGNE**Breidenbach & Co.
Farina, J. M.
Farina, J. M. (No. 4)
Fickus, Courtenay & Co.
McCracken, J. & R.
Schutze, F., & Co.**EAR SHIELDS**

Street Noise Abatement Association

EDUCATIONAL INSTITUTIONSBath and West of England College of Pharmacy
Birmingham and Midland College of Pharmacy
British Optical Institute
Charing Cross Hospital Medical College
Edinburgh Central School of Pharmacy
Glasgow School of Pharmacy
Leeds College of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
Manchester College of Pharmacy
Muter's (So. Lond.) School of Pharmacy
North of England School of Pharmacy
Northern College of Pharmacy
Royal Dental Hospital of London
South of England College of Pharmacy
Westminster College of Pharmacy**ELECTRICAL MASSAGE INSTRUMENTS**

Jones & Kleiser

EFFERVESCENT PREPS.Allen & Hanburys, Ltd.
Bishop, Alfred, Ltd.
Blackie, R.
Bristol-Myers Co.
Cox, A. H., & Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Guest, Thos., & Co.
Kutnow, S., & Co., Ltd.
Lloyd, T. Howard, & Co.
Lorimer & Co., Ltd.
Martindale, W.
Newball & Mason
Potter & Clarke
Standard Tablet & Pill Co.
Stange, John & Z.
Tidman & Son, Ltd.
Tyrer, T., & Co., Ltd.
Wright, Layman & Umney**ELASTIC HOSIERY**Ayrton, Saunders & Co., Ltd.
Berliner, Arthur
Haywood, J. H.
Jackson, Röhrs, & Co.
Maw, S., Son & Sons
Wood, Vincent**EMERY AND CLOTH**

Oakley, J., & Sons, Ltd.

EMULSIONS, COD-LIVER OIL, ETC.Allen & Hanburys, Ltd.
Ayrton, Saunders & Co.
Baiss Bros. & Stevenson, Ltd.
Blackie, R.
Boulton, J., & Co.
British Drug Houses, Ltd.
Evans Sons Lescher & Webb, Ltd.
Faulding, F. H., & Co.
Harker, Stagg & Morgan, Ltd.
Lorimer & Co., Ltd.
Oldfield, Pattinson & Co.
Scott & Bowne, Ltd.
Parke, Davis & Co.
Woolley, Jas. Sons, & Co.
Woolleys, Ltd.**EPSOM SALTS**

Howards & Sons, Ltd.

ESSENCES, CONCRETELautler Fils
Murray, O., & Co., Ltd.
Mallmann, W.
Roure-Bertrand fils
Schmoller & Bompard**ESSENCES, SOL. AND FRUIT**Alliance Drug & Chem. Co.
Baiss Bros. & Stevenson, Ltd.
Barnett & Foster
Boake (A.), Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Cresp-Martineng
Evans Sons Lescher & Webb
Hay, Wm., Ltd.
Lautler Fils
London Essence Co.
Lorimer & Co., Ltd.
Newball & Mason
Roure-Bertrand fils
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Zimmermann, A. & M.**ENEMAS**Bailey, W. H., & Son
Baird Bros.
Burge, Warren & Ridgley
Daval Rubber Co.
Hay, J. B., & Co.
Ingram, J. G., & Son
Maw, S., Son & Sons
Toogood, W., Ltd.
Warne, W., & Co., Ltd.**ETHERS**Baiss Bros. & Stevenson, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons**EUCALYPTUS OIL**British Drug Houses, Ltd.
Baiss Bros. & Stevenson, Ltd.**EXTRACT OF HERBS**Newball & Mason
Potter & Clarke**EXTRACTS (MEDICINAL)**Allen, Stafford, & Sons, Ltd.
Chemists' Co-operative Wholesale
Hewlett, C. J., & Son
Parke, Davis & Co.
Ransom, W., & Son
(See also WHOLESALE DRUGGISTS)**FEEDING BOTTLES**Brecht, E., & Co., Ltd.
Fecher, M. J.
Hovenden, R., & Sons, Ltd.
Kilner Bros., Ltd.
Maw, S., Son & Sons
Sangers'
Savory & Moore, Ltd.
Sonthall Bros. & Barclay, Ltd.
Taylor, F. H., & Sons**FERTILIZERS**Cooper, W., & Nephews
With's Chemical Manure Co.**FILLING MACHINES**

Roberts' Pat. Fill. Machine Co.

FILTERS (WATER)

Berkefeld Filter Co., Ltd.

FLYCATCHERSAlabastine Co. (British), Ltd.
Ford, Shapland & Co.
Frowein, O.
Kay Bros., Ltd.
Lange's, H., Successors
Smith, J. H., & Co.
Strong, Christy**FOODS, INFANTS'**Allen & Hanburys, Ltd.
Benger's Food, Ltd.
Frame Food Co., Ltd.
Lofthouse & Saltmer
Natural Food Co., Ltd.
Willows, Francis B. & T.**FOODS, SPECIAL**Allen & Hanburys, Ltd.
Bendle, Ltd.
Benger's Food, Ltd.
Braud & Co., Ltd.
Burt, C. J.
Callard & Co.
Fairchild Bros. & Foster
Frame Food Co., Ltd.
Menley & James, Ltd.
Mol Manufacturing Co.
Natural Food Co., Ltd.
Wander, A.**FORMALDEHYDE**

Burt, Boulton & Haywood

FULLER'S EARTH

Mumford, G. S., & Sons

FUMIGATORS

Sanitas Co., Ltd.

GELATIN AND GLUE

Boehm, F., Ltd.

GLAUBER'S SALTBramwell, E., & Son
Howards & Sons, Ltd.**GOLD PAINT**

Judson, D., & Son

HAIR PREPARATIONSCapenoid Co., Ltd.
Cheshrough Manfg. Co.
Dralle, Georg.
Edwards' "Harlene" Co.
Harker, Stagg & Morgan
Herpicide Co.
John Bull Hair Food
John Strange Winter
"Nyto" Co.
Robare's Aureoline
Rowland, A., & Sons
Woolleys, Ltd.

GLYCERIN

Boehm, F., Ltd.
Price's Patent Candle Co.

GRINDERS

Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis B. & T.

HAT DYES

Whitaker & Co.

HAT RENOVATORS

Christy, T., & Co.

HERBS

Potter & Clarke

HOMŒOPATHIC MEDICINES

Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.
Leath & Ross

HOT-WATER BOTTLES

Berlioz, Arthur
Burge, Warren & Ridgley
Hutchinson Co.
Maw, S., Son & Sons
May, Roberts & Co.
Southall Bros. & Barclay
Wood, Vincent

HOTELS

Esmond Hotel
Kingsley Hotel
Thackeray Hotel

HYDROGEN PEROXIDE

May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

HYPOPHOSPHITES

May & Baker, Ltd.
Merck, E.
Tyrer, T., & Co., Ltd.

INHALERS

Christy, T., & Co.
Fecher, M. J.
Saegers'

INK

Bewley & Draper, Ltd.
Hickisson, A. B.
Hooper, W., & Co.

INSECT POWDER

Boehm, F., Ltd.
Smith, B. A., & Co.

INSECTICIDES

Cooper, W., & Nephews
Smith, B. A., & Co.
Tomlinson & Hayward, Ltd.
Woolleys, Ltd.

IODINE AND IODIDES

Howards & Sons, Ltd.
Merck, E.
Morsen, T., & Son

ITROSYL

Fletcher, Fletcher & Co.

JARS AND POTS

Breftit, E., & Co., Ltd.
Cook, A., & Co.
Johnsen & Jorgenseo, Ltd.
Kilner Bros., Ltd.
Lang, Jules, & Son
Maw, S., Son & Sons
Pothe, H., & Co.
Reuter, R. J.
Stipendum Stopper Co.
Taylor, F. H., & Sons
Toogood, W., Ltd.

LACTIC FERMENTS

Allen & Hanburys, Ltd.
Cox, Arthur H., & Co., Ltd.
Martindale, W.
Parke Davis & Co.
Wilcox, Jozeau & Co.

LAMPS, DISINFECTING

Roberts, Cornford & Co.

LANOLINE

Burroughs Wellcome & Co.
Christy, T., & Co.
Saegers'

LANTERNS

Butcher, W., & Sons

LARD

Chemists' Co-operative Wholesale
Ewen, J., & Sons

LIME AND JUICE CORDIAL

Evans Sons Lescher & Wehh
Goodall, Backhouse & Co.
Idris & Co., Ltd.

LINSEED, CRUSHED, ETC.

Allen, Stafford, & Sons
Mumford, G. S., & Sons

LINTS

Vernon & Co., Ltd.

LIQUORICE JUICE

Boehm, F., Ltd.
British Drug Houses, Ltd.
Evans, Gray & Hood
Evans Sons Lescher & Webb, Ltd.
Horner & Sons
Jackson, E. E.
Mumford, G. S., & Sons

LIQUORS, CONC., ETC.

Allen, Stafford, & Sons, Ltd.
Fletcher & Fletcher & Co.
Hewlett, O. J., & Son
Robinson, B., & Co.

LITHIA SALTS

British Drug Houses, Ltd.
May & Baker, Ltd.
Merck, E.

LOOFAHS

Cresswell Bros. & Schmits

LOZENGES

Allen & Hanburys, Ltd.
Cox, A. H., & Co., Ltd.
Denoual, J., & Co.
Guest, Thos., & Co.
Jackson, E. E.
Potter & Clarke
Raimes & Co.
Warrick Bros.

MACHINERY, PHARMACAL

Allen & Hanburys, Ltd.
Beonett, E., & Son, Ltd.
Bennett, Sons & Shears, Ltd.
Brown & Son
Fecher, M. J.
Gardner, Wm., & Sons, Ltd.
"Hercules" Meat Juice Press
Piodar, J. W., & Co.
Roberts' Patent Filling Machine
Co.
Smith, B. A., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper (Stokes)
Wilkinson, S. W., & Co.

MAGNESIA AND ITS SALTS

Henry, T. & W.
Howards & Sons, Ltd.
May & Baker, Ltd.
Washington Chemical Co.

MAILING CASES

May, Roberts & Co.

MALT EXTRACT AND PREPS.

Allen & Hanburys, Ltd.
Baiss Bros & Stevenson, Ltd.
Blackie, R.
British Dia Malt Co.
Burroughs Wellcome & Co.
Evans Sons Lescher & Wehh
Hewlett, O. J., & Son
Lorimer & Co., Ltd.
Oppenheimer, Son & Co., Ltd
Paine & Co., Ltd
Southall Bros. & Barclay, Ltd.
Squire & Sons
Woolley, Jas., Sons & Co., Ltd
Wright, Layman & Umney

MARKING INK

Hickisson, A. (Bond's)
Hooper, W., & Co.

MEASURES

Taylor, F. H., & Sons

MEAT EXTRACT

Armour & Co., Ltd.
Brand & Co., Ltd.

MEDICINE CHESTS

Burroughs Wellcome & Co.
Keene & Ashwell, Ltd.
Leath & Ross
Lloyd, T. Howard, & Co.
Parke, Davis & Co.

MENTHOL CONES

Maw, S., Son & Sons
Shirley Bros., Ltd

MERCURIALS

Howards & Sons, Ltd.
May & Baker, Ltd.
Merck, E.
Tyrer, T., & Co., Ltd.

METEOROLOGICAL SETS

Dartoo, F. & Co.

METHYLATED SPIRIT

Burrough, J., Ltd.
Prestoo's Liverpool Distillery
Randall & Son, Ltd.

MILK APPARATUS

Hawksley, T.
Zimmermaon, C., & Co.

MILK BYPRODUCTS

Casein, Ltd.

MINERAL WATERS AND SALTS

Apollinaris Co., Ltd.
British Drug Houses, Ltd
Burrow, W. & J. (Malvern)
Hughes E. Griffiths
Ingram & Royle, Ltd.
Vichy (State Springs)

NAPHTHAS

Burt, Boulton & Haywood

NOISE EXCLUDERS

Street Noise Abatement Associa
tion

OILS, ESSENTIAL

Allen, Stafford, & Sons, Ltd
Alliance Drug & Chem. Co.
Baiss Bros. & Stevenson
Boake (A.), Roberts, & Co., Ltd
Bush, W. J., & Co., Ltd.
Chiris, Antoine
Cresp-Martineng
Evans Sons Lescher & Webb
Ltd.
Horner & Sons
Jackson, J., & Co.
Lautier Fils
Londoo Essence Co.
Matthew, Jesse
Mühlethaler, Th., Ltd.
Pasquale, S. F. de, & Fratelli
Poppelreuter, W.
Ransom, W., & Son
Roure-Bertrand fils
Sachsse, E., & Co.
Schimmel & Co.
Schmoller & Bompard
Spencer, J., Son & Co.
Spurway et Cie.
Stevenson & Howell, Ltd.
Todd, A. M., Co.
Wright, Layman & Umney
Zimmermann, A. & M.

OILS, FATTY, ETC.

Allen, Stafford & Sons, Ltd
Cresp-Martineng
Price's Patent Candle Co.
Smith, B. A., & Co.

OILS, MINERAL

Price's Patent Candle Co.
Wright, Layman & Umney

OINTMENTS

Blackie, R.
Chemists' Co-operative Wholesale
Oldfield, Pattinson & Co.

OPTICAL GOODS

Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Nitsche & Güther
Raphaels, Ltd

OPTICAL INSTRUCTION

British Optical Institute

OTTO OF ROSE

Bontcheff & Kidoff
Pappazoglou, D.
Seraphimoff, S., & Co.
Shipkoff & Co.

PACKED GOODS

(See WHOLESALERS)

PALATINOLIDS

Oppenheimer, Sons & Co.

PASTILLES

Allen & Hanburys, Ltd.
Asche, O. F., & Co.
Baiss Bros. & Stevenson
Burroughs Wellcome & Co.
Denoual, J., & Co.
Evans Sons Lescher & Webb
Warrick Bros.

PATENT AGENT

Barker, R. W.

PERFUME MATERIALS

Bush, W. J., & Co., Ltd.
Chiris, Antoine
Compagnie Morana
Cresp-Martineng
Haliflor Co.
Lautier Fils
Mallmano, W.
Mühlethaler, Th., Ltd.
Murray, O., & Co., Ltd.
Schimmel & Co.
Shipkoff & Co.
Spencer, J., Son & Co.
Spurway et Cie.
Treatt, R. C., & Co.
Zimmermann, C., & Co.

PERFUMES

Allen & Hanburys, Ltd.
Barclay & Sons, Ltd.
Breidenbach & Co.
Broanley, H., & Co., Ltd.
Bosh, W. J., & Co., Ltd.
Christy, T., & Co.
Chnit, Naef & Co.
Cresp-Martineng
Dralle, Georg.
Erasmo Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Grossmith, J., Son, & Co.
Haliflor Co.
Hewlett, C. J., & Son
Hovenden, R., & Sons, Ltd.
Lescol Perfumery Co.
McCracken, J. & R.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Piver, L. T.
Quelch, H. C., & Co.
Reuter, R. J.
Southall Bros. & Barclay
Spencer, J., Son & Co.
Spurway et Cie.
To-Kalon Mfg. Co.
Warrick Bros.
West, T.
Zenobia Laboratories

PESSARIES

Burge, Warren & Ridgley
Howison & Co., Ltd.
Rendell, W. J

PETROLEUM EMULSION

British Drug Houses, Ltd.

PETROLEUM JELLY

Chesebrough Mfg. Co.

PHOTO. CHEMICALS

Boehringer, O. F., & Soehne
Burroughs Wellcome & Co.
Lockyer, J. E.
Merck, E.

PHOTO. GOODS

Barclay & Sons, Ltd.
Butcher, W., & Son, Ltd.
Darton, F., & Co.
Evans Sons Lescher & Webb
Halifax Photographic Co.
Ilford, Ltd.
Lennon, Ltd.
May, Roberts & Co.
Murdoch, John, & Co.
Newbery, F., & Sons, Ltd.

PHOTO. ENLARGERS, PRINTERS, &c.

Express Developing Co.
Halifax Photographic Co.

PLASTERS

Alcock Mfg. Co.
Berliner, Arthur
Beiersdorf, P., & Co.
Dalmas, A. de St., & Co.
Leslies, Ltd.
Maw, A. Son & Sons
Solport Bros.

PILL MAKERS

Allen & Hanburys, Ltd.
Asche, C. F., & Co.
Bishop, Alfred, Ltd.
British Drug Houses, Ltd.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Evans Sons Lescher & Webb, Ltd.
Hewlett, C. J., & Son
Howards & Sons, Ltd.
Lloyd, T. Howard, & Co.
McKesson & Robbins
Parke, Davis & Co.
Pill, Tablet, & Capsule Alliance
Sonthall Bros. & Barclay
Standard Tablet & Pill Co.
Wand Mfg. Co.
Warner, W. R., & Co.
Woolley, J., Sons & Co., Ltd.

PROPRIETARY ARTICLES

American Drug Stores
Anglo-American Drug Co.
Anglo-American Pharm. Co., Ltd.
Ashton & Parsons, Ltd.
Atkinson & Barker
Barclay & Sons, Ltd.
Battle, Son & Maltby
Beecham, T.
Beiersdorf, P., & Co.
Bile Bean Mfg. Co.
Box, W. H.
British Drug Houses, Ltd.
Capsuloid Co., Ltd.
Cardinal Mfg. Co., Ltd.
Chameleon Oil Co.
Christy, T., & Co.
Coleman & Co., Ltd.
Congreve, G. T.
Cox, A. H., & Co., Ltd.
Curry, Henry
Daggett & Ramsdell
Daisy, Ltd.
Davenport, J. T., Ltd.
Day & Sons (Crewe), Ltd.
Day, Son & Hewitt

PROF. ARTICLES—cont.

Denonai, J., & Co.
Edwards, W., & Son
Elliman, Sons & Co.
Evans Sons Lescher & Webb
Faulding, F. H., & Co.
Fellows' Syrup
Fennings, Alfred
Ferris & Co.
Finford, C. E., Ltd.
Dalloff Tea Co.
Goodall, Backhouse & Co.
Grapelax, Ltd.
Greiff, R. W., & Co.
Gny's Tonic Co.
Heala Manufacturing Co.
Henry, T. & W.
Hovenden, R., & Sons, Ltd.
Hughes, E. Griffiths
Ichthyol Co.
International Chemical Co.
Iron-Ox Rem. Co., Ltd.
Kaufmann, Dr.
Kay Bros., Ltd.
Knight & Co.
Kntnow, S., & Co., Ltd.
Lalor's, Dr., Phosphodyne
Lambert Pharmacal Co.
Lofthouse & Saltmer
Lorimer & Co., Ltd.
Mandall & Co., Ltd.
May Roberts & Co.
Menley & James, Ltd.
Miol Manufacturing Co.
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Owbridge, W. T., Ltd.
Resinol Chemical Co.
Richards, J. M., & Sons
Rnbwel Co.
Sangers'
Savaresse's Capsules (Evans)
Schimmel & Co.
Scott & Bowne, Ltd.
Squire & Sons
Standard Tablet & Pill Co.
Stedman's Teething Powders
Thompson & Capper
To-Kalon Mfg. Co.
Tunbridge & Wright
Wilcox, Jozeau & Co.
Wood's Peppermint Cure
Zotos, Ltd.
(See also DENTIFRICES and TOILET ARTICLES)

POLISHES (VARIOUS)

Bradley & Bourdas
Judson, Daniel, & Son
Oskey, J., & Son, Ltd.

PRINTERS

Dudley & Co.
Ford, Shapland & Co.
Harrison & Waide
London & County Printing Works
Smith, W. H., & Son
Townsend, J., & Sons

PULVELLÆ

Warrick Bros.

PULVERETTES

Oppenheimer, Son & Co., Ltd.

PUMPS

Berkefeld Filter Co., Ltd.

QUININE AND SALTS

Boehringer, C. F., & Soehne
Howards & Sons, Ltd.

RAZORS

Auto-Strop Safety Razor Co.
Hovenden, R., & Sons, Ltd.

RESINS AND RESINOIDS

Allen, S., & Sons, Ltd.
Allen & Hanburys, Ltd.
Morson, T., & Son
Ransom, W., & Son
Smith, T. & H., Ltd.

RUBBER GOODS

Baird Bros.
Burge, Warren & Ridgley, Ltd.
Daval Rubber Co.
Evans Sons Lescher & Webb, Ltd.
Fecher, M. J.
Galen Mfg. Co.
Haywood, J. H.
Hovenden, R., & Sons, Ltd.
Hovison & Co., Ltd.
Hutchinson Co.
Ingram, J. G., & Son
Maw, S., Son & Sons
May, Roberts & Co.
Warne, W., & Co., Ltd.

RENNET

Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.

RESPIRATORS

Zimmer & Co.

SACCHARIN

Saccharin Corporation, Ltd.

SALICIN

Macfarlan, J. F., & Co.
Smith, T. & H., Ltd.

SALICYLATES

Bayer Co., Ltd.

SAMPLE CASES

Keane, Thomas

SANTONIN

Smith, B. A., & Co.

SAPOIN

Field, C. W.
Sthamer, Dr. R.

SAUCES

Goodall, Backhouse & Co.

SCALE PREPARATIONS

Morson, T., & Son

SCRUBBERS

Lange's, H., Successors

SEA SALT

Tidman & Son, Ltd.

SEA-SICKNESS REMEDY

Zotos, Ltd.

SELTZOGENES

Aerators, Ltd.

SERUMS AND ANTITOXINS

Allen & Hanburys, Ltd.
Evans Sons Lescher & Webb
Parke, Davis & Co.
Schimmel & Co.
Wilcox, Jozeau & Co.

"Food and Drugs Act."

GUARANTEE.

The Great Importance of the following points will appeal to all Chemists :


- I. That the Quality of Drugs, Chemicals, and Galenicals should be of the very best.
- II. That Guarantees of Purity should be required from the Wholesale Houses.
- III. That the Wholesale Houses should be those of standing, whose Guarantees are responsible, and whose identity is known.
- IV. That the Guarantee should be of sufficient scope to afford full protection.

We have issued the following Guarantee for many years, and shall be glad to apply it to the invoices of any of our customers who may desire it :

We guarantee all B.P. articles charged in this invoice to conform to the standard of the British Pharmacopœia, 1898, unless otherwise mentioned; and that all other articles are genuine as described.

Date.....

(Signed) RAIMES & CO.

 We should esteem the opportunity of meeting, quality for quality, any prices for Drugs and Chemicals advertised to the Trade, under equal conditions.

RAIMES & CO., Wholesale Druggists, YORK.

SHEEP-DIPS

Burt, Boulton & Haywood
Cooper, W., & Nephews
Morris Little & Son, Ltd.
Sautas Co., Ltd.
Tomlinson & Hayward, Ltd.

SHOP-FITTING

Ayrton-Graham, Ltd.
Bowling & Son
Cleworth, J.
Evans Sons Lescher & Webb, Ltd.
Josephs, P., & Son
Maw, S., Son & Sons
Mills, H.
Rudduck & Co.
Sangers
Southall Bros. & Barclay, Ltd.

SOAP MATERIALS

Chirris, Antoine

SOAPS

Allen & Hanburys, Ltd.
Armour & Co., Ltd.
Breidenbach & Co.
Bronnley, H., & Co., Ltd.
Chesebrough Mfg. Co.
Cook, E., & Co., Ltd.
Erasmo Co., Ltd.
Hull Oil Mfg. Co., Ltd.
Lescol Perfumery Co.
Oakley, J., & Son, Ltd.
Pears, A. & F., Ltd.
Price's Patent Candle Co.
Richards, J. M., & Sons
Wright, Layman & Umney

SOAPS, MEDICATED

Armour & Co., Ltd.
Bronnley, H., & Co., Ltd.
Calvert, F. O., & Co.
Paulding, F. H., & Co.
Lambert Pharm. Co.
Wright, Layman & Umney

SODA FOUNTAINS

British Automatic Aerators, Ltd.

SODIUM BICARBONATE

Brunner, Mond & Co., Ltd.
Howards & Sons, Ltd.
Mumford, G. S.

SOOTHERS

Schutze, F., & Co.
Taylor, F. H., & Sons

SPARKLETS

Aerators, Ltd.

SPECTACLES

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THAT A CHEMIST REQUIRES. BELOW is an ILLUSTRATION of our STAND at the CHEMISTS' EXHIBITION.



The Chemist & Druggist:—

EVANS SONS LESCHER & WEBB, LTD., have a double stand in the centre of the hall. Hawley's counter-adjuncts form the principal portion of the display, but a distinctive note is struck by an exhibit of crude drugs, including fine specimens of aloes (Barbados and Socotrine), acacia-gum, benzoin (Siam and Sumatra), orris-root in fingers, rhubarb, cinchona-bark, sandal and other essential oils. Among the adjuncts the Naiad series occupies the centre wall-cases and makes a handsome show, the imitation-kid finish giving a rich appearance. Effervescing saline in Wedgwood boxes and the new Maiden at the Well series affords other striking examples of the modern sumptuous style of pack-

The B. & C. D. :—

EVANS SONS LESCHER AND WEBB LIMITED are exhibiting at Stands 68 and 69. Here Hawley's Counter Adjuncts are to the fore with a representative range of seasonable articles. Particular attention is drawn to the beautiful labels and wrappers exhibited; some of these are true works of art. Hawley's I.K. (insect powder) is very well presented and is an attractive seasonable line. The "Naiad" series of toilet preparations, which includes bath powder, fuller's earth, violet powder, lavender soap, witch hazel cream, toilet ammonia, &c., is a very fine series of elegant products, and a combination of the whole would form a most attractive and paying window display. Packed pharmaceutical preparations also play a prominent part at this exhibit: they are splendidly "got up," and provide a wide series of preparations for "own proprietary articles." They include effervescing saline, Carlsbad salts, liver and health salts, sulphur and sarsaparilla salts, infant's food, glycerine and cucumber cream, &c., &c. The quality is of the highest, and pharmacists will do well to cultivate their acquaintance.

Evans' Antiseptic Throat Pastilles are also on exhibit,

ing. Another design is shown in the carton of the Marienbad liver-salt. Among the druggist's sundries, the shop-rounds with the shield-shaped label and recess is noteworthy. Hawley's "I.K." insect-killer and the Liverpool rat-virus, baited in tins, are also there. Extract of malt and malt and oil are now packed in glass-capped jars, so that the contents only come in contact with glass. Among seasonable lines presented are sulphur and sarsaparilla salts and citrate of magnesia. Samples of Evans' antiseptic pastilles are provided to afford evidence of Mme. Tetrizzini's testimonial that the pastilles are "excellent and efficacious."

accompanied by an original testimonial from Mme. Tetrizzini, which is a sufficient guarantee of their therapeutic activity. These pastilles are now on the P.A.T.A. list, and thus a good profit is assured to the pharmacist. The firm is also exhibiting a full line of druggists' sundries, including some of the well-known Savar's specialties and the registered shield-shape recess labelled shop rounds of the firm. Any pharmacist who is contemplating refitting his pharmacy would do good business and add to the attractiveness of his shop by the adjunct of these shop rounds. For some years past Messrs. Evans have specialised in French essences, and the assortment on exhibit is representative of the best of the various makers. Most attractive bottles are used for these when sold in bulk, consequently they are an ornament to the modern pharmacy. There is also a small but interesting exhibit of crude drugs, the specimens including typical representatives of Mysore sandal wood (from which the firm distils its own oil), Turkey rhubarb, aloes, gamboge, and cinchona barks. Mr. T. E. Lescher is in charge of the firm's interests.

EVANS SONS LESCHER & WEBB, LIMITED,
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THE CHEMIST & DRUGGIST SUPPLEMENT.

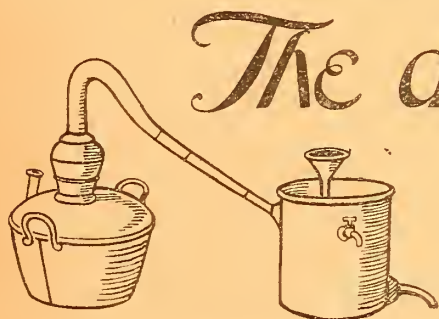
OFFICE: 42 CANNON STREET, E.C.

SATURDAY, MAY 22, 1909.

PUBLISHER'S NOTICE TO ADVERTISERS.

Advertisers are desired to take note that the advertisements of Businesses for Disposal and Wanted, Situations Open and Required, Exchange Column, &c., belong to the **PREPAID CLASS**, and to ensure the due insertion of the **announcements the remittances must accompany the instructions**. A great amount of unnecessary correspondence is occasioned by the non-observance of this regulation, and the Publisher hopes that the advertisers will assist in the quick preparation and despatch of the Supplement by strictly observing this rule. Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week.

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."



*The distilled essence
of the best publicity
is obtained by using
The C&D Supplement.*

IT PAYS TO PAY FOR ADVERTISING HEREIN.

CHEMISTS' TRANSFERS. Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of **SALE, PURCHASE, and VALUATION.**

1.—CRYSTAL PALACE (near).—For immediate Disposal, modern Pharmacy; returns last year £900, formerly they were £3,000; excellent opportunity for an up-to-date Chemist; immediate sale necessary; valuation terms; illness sole cause of sale.

2.—LONDON, N.W. (Residential Locality).—Good-class Retail and Dispensing Business; held by vendor 15 years; returns average between £750 and £800 yearly; *gross profit* £500; immediate sale desired; price £250; part may remain.

3.—LONDON (Northern Suburb).—Retail and Dispensing Business; all good middle-class trading; returns between £1,800 and £2,000 per annum; attractive, well-fitted shop, fully stocked; modern house; 21 years' lease; price £1,200.

4.—LONDON, S.W. (Main Road).—Old-established Business; Retail and Prescribing; good opening for Dentist; returns under manager between £900 and £1,000 yearly; *net profit* 25 per cent.; full investigation invited; price £600, or £50 and valuation of stock and fixtures.

5.—LONDON (few miles out).—Good-class Retail and Dispensing Business; well situate in favourite residential locality; returns £1,500 per annum, which produce a net income of £350 (proof given); well-fitted shop (by Treble); roomy house; held on lease; price £1,000.

6.—LONDON, S.W. (Busy Thoroughfare).—Ready-money Business; Retail, Dispensing, and Photographie; returns £1,050, increasing; *net profit* 25 per cent. (about); modern-fitted shop; good house, held on lease; price £650.

7.—LONDON, E.C.—Retail and Dispensing Business; excellent position; attractive shop, fitted in mahogany and plate glass; *net profit* between £400 and £450 yearly; further details on application.

8.—SOUTH WALES (Health Resort).—Modern Pharmacy; capital situate in the centre of town; returns about £2,500 per annum; *gross profit* 50 per cent. (proof given); attractive shop, double fronted; rent £65 yearly; further details on application.

9.—SUSSEX.—Dispensing and Retail Business; held by vendor many years; returns average £1,226; present rate less; double-fronted shop, well fitted and fully stocked; further details on application.

10.—WESTERN COUNTY.—Good profitable Retail Business, chiefly ready-money; returns £500; well-appointed shop and residence; held on lease; rent £35; price £400; ill-health cause of sale.

11.—BIRMINGHAM (within easy distance of).—Good-class Business; Retail and Dispensing; held by vendor over 30 years, now retiring; returns average £1,089; *gross profit* £450; roomy house; position unique; price £769.

12.—NORTH WALES (Health Resort).—Old-established Business; held by vendor many years; returns between £600 and £700 per annum; scope for increase; *gross profit* £300 (about); double-fronted shop; good position; comfortable house; further details on application.

13.—SURREY (Favourite Residential Locality).—Good-class Business; held by vendor about 50 years; now retiring; returns £1,050, at fair prices; full investigation courted; offer wanted.

14.—NORTH OF ENGLAND.—Attractive Pharmacy; established many years; returns (present rate) £1,600; double-fronted shop; corner position; commodious house; private entrance; inspection invited; price £1,250.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

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Messrs. O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss**.

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YORKS.—High-class Family and Dispensing Business in fashionable health resort, doing about £700, but capable of being doubled; profitable; price £450; only wants seeing.

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MIDDLESEX.—Light Retail, Dispensing, and Prescribing; pretty district; good house; returns £700; net profit £200; price £350.

YORKS.—Very good Mixed Country Retail, which can easily be greatly increased by qualified man; good shop and house; returns over £520; price £250; grand opportunity.

LANCS.—Very nice Retail and Dispensing Business; good sale of own Proprietaries; good premises and nice position; old-established; returns over £500; price £350, or valuation; very profitable.

YORKS.—Good Country Mixed Retail, Prescribing, and Photo; excellent shop and premises; garden; old established; returns nearly £700; profitable; price only £230; no qualified opposition.

LANCS.—Nice Light Retail and Dispensing and good Proprietaries; busy town, and the business capable of being greatly increased; returns £500; profit £200; price £350.

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LONDON, N.—Returns under manager £500-£600; several Proprietaries, no Photo or Optics; corner shop; large house, cellarage, and stock-room; new lease granted (21 years); price £350.

LONDON, S.W.—Very neglected Business; under manager returning £800 a year; splendid corner position; will easily do £1,200 to £1,500 in good hands; handsome, well-fitted shop and good house; first reasonable offer accepted, about £450, which is less than value of stock and fixtures.

UNOPPOSED Business in large village in beautiful district; population 2,500; about 30 miles out of London; returns £800; net profit £300; excellent house, garden, stable, etc.; rent £50; price, small goodwill and valuation.

CENTRAL position, next post-office; populous suburb; doing £1,000 under manager, and will do £1,500 to £2,000 easily; proprietor must sell immediately, and will take first offer near £250, which is much less than value of stock and fixtures; rent £65.

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LONDON, N.—Mixed Cash Business; returns average about £500; medium prices; good opening for Dentistry and Optics; rent £65; nice house, garden; every convenience; price £200.

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2.—LANCS.—First-class Retail Business, with good Photographic connection; returns average over £1,750; net profit £345; splendid position; owner retiring; price £1,250.

3.—N. WALES (Health Resort).—Good-class Retail and Dispensing; splendid position; returns £870; net profit £290; price £650.

4.—SHEFFIELD (Near).—Good Country Retail, Prescribing, and Agricultural, returns £650; no qualified opposition; splendid house; price £250.

5.—DERBYSHIRE (Small Town).—Mixed Country Retail; returns £850; best position; price for quick sale £375, or near offer.

6.—SUSSEX.—Good-class Light Country Retail; returns about £950; plenty of scope; owner retiring; price £600.

7.—KENT.—Unopposed Light Country Retail; returns £800; net profit £300; easily worked; price £555.

8.—SOUTH COAST.—Good-class Retail and Dispensing; returns about £1,000; good profits; price £50 and valuation.

9.—EAST COAST.—Light Cash Retail; returns £400 under assistant; has done £1,000; corner position; main street; price £300.

10.—VICTORIA STATION (near).—First-class Retail; returns over £1,250; net profit £439; splendid position; price £1,000.

11.—LONDON, N.W.—Good-class Retail and Dispensing; returns £750 to £800; scope for increase; net profit £200; price £350.

12.—LONDON Suburb, S.E.—Good-class Business; increasing; returns £600; good profits; low rent; price £400.

13.—HOME COUNTY (Important Market and Residential Town).—Good-class Retail, Dispensing, and Prescribing; returning £30 weekly, has done £50; large Pharmacy; excellent position; handsomely fitted and well stocked; price £1,050.

14.—NORTHERN COUNTY.—Sound General Retail, Prescribing, and Photographic Business; returning over £2,600; splendid position; well fitted and heavily stocked; price about £1,800.

15.—S. WALES.—General Light Retail; returns over £600; practically unopposed; plenty of scope; low rent; price £550, or offer.

16.—SURREY.—Unopposed good-class Retail; returns £10 weekly, increasing; modern Pharmacy; price £250.

17.—KENT COAST.—Light Retail and Dispensing; returns £900; net profit £230; price £500, simply valuation.

18.—BANKS OF UPPER THAMES.—Middle-class Retail; returns £652; net profit £213; price £300 or valuation.

19.—MANCHESTER (Near).—Genuine Light Retail, in very good position; returns over £600; net profit £185; price £300, or valuation.

20.—ESSEX (10 miles out).—Unopposed Light Retail; returns average £500; net profit £175; price £200 or offer.

21.—LONDON, E. (Busy Main Road).—Returns £22 weekly; net profit £300 to £350; scope for increase; price £625.

22.—LONDON, W.—Good-class Suburban Retail; under manager returns £750; price £550; half can remain.

23.—LONDON, N.W.—Profitable Cash Retail; returns £8 to £10 weekly; no Patents sold; price £225; trial allowed.

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NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 3d.

COLONIAL BUSINESSES.

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

Replies to Advertisements may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

LONDON Suburb (Charming Residential District).—Profitable Retail, Prescribing, and Photographic Cash Business; returns £700 (£200 net); elegant Pharmacy; excellent stock; low rent; valuation (about £300) entertained, £75 of which could remain as guarantee of bona fides; Optics and Dentistry wanted; references required; introduction will be given. Full particulars, "Antipyrine" (52/6), Office of this Paper.

DEVON.—Good-class Country Retail Business for early Disposal; returns approach £1,000; net profit between £300 and £350; well situated in pleasant market town; very good house and garden; low rent; attractive Pharmacy; exceptionally well stocked; valuation only required, about £900; most desirable investment. Address, "Devonia" (54/3), Office of this Paper.

DRIFFIELD (Yorks).—Fine double-fronted Chemist's Shop and House; let or sell; central position in market-place; same trade 25 years; rent £40, on lease; sell £750; immediate possession. Particulars, Lance, 17 Holbeck Hill, Scarborough.

EAST KENT.—Small Prescribing Business, within easy reach of London; returns close on £300 per annum; good profits; scope for increase; large population; no near opposition; good opening for Dentistry and Optics; rent £24; price, valuation of stock and fixtures, about £120. Apply, 54/10, Office of this Paper.

EASTERN COUNTIES.—Genuine old-established Family, Retail, Prescribing; small market town; returns £1,200; good profits; rent £50; convenient house; large garden, stabling, etc.; price £650. Cash buyers need only apply, 52/20, Office of this Paper.

EDINBURGH.—For Disposal, with immediate entry, genuine old-established Family and Dispensing Business in very good-class residential district; average gross profit about £260 per annum; rent and working expenses very moderate; stock at valuation (about £250); offers are invited for fittings, goodwill, etc. Apply, "Vendor" (51/9), Office of this Paper.

LANCASHIRE.—£100 will buy an old-established, genuine Drug-store and Prescribing Business, together with a Toilet Soap, Perfumery, and Fancy goods connection, with scope for considerable extension; sole cause of selling ill-health. Address, "M. D.," 8 Orchard Terrace, West Hartlepool.

LANCS (Busy Manufacturing Town).—For immediate Disposal, sound ready-money Business doing £600; net profit £185; good house; low rental; splendid chance for quick cash buyer to acquire genuine concern at an exceptionally low price. Bona fide applicants write, "Bargain" (52/19), Office of this Paper.

LINCOLNSHIRE.—Large town; Drug-stores; same hands 14 years; main thoroughfare; densely populated; no opposition; rent £22 15s. and rates; grand chance for pushing Prescribing man. What offers, "Gelsemina" (52/18), Office of this Paper.

LIVERPOOL.—Business established over 50 years; same hands for last 35 years; steady, profitable general trade; very few Patents sold; takings £550 to £600; in the hands of executors, who will accept prompt reasonable cash offer. Apply, 50/10, Office of this Paper.

LONDON.—For immediate Disposal, old-established Business; same hands 40 years; much neglected lately; price £100, or near offer. Apply, by letter, "W. R.," British Drug Houses, Ltd., Park Street, Southwark.

LONDON, W.—Exceptional opportunity for acquiring a first-class going concern; fully stocked and well fitted; prominent position, in leading thoroughfare; cash trade; good profits; scope for increase; valuable lease, ensuring a merely nominal rent, inclusive of rates and taxes; fullest investigation invited; proprietor entering profession; price £2,250. 53/25, Office of this Paper.

LONDON, S.E. (Residential Suburb).—Large modern Pharmacy; solid mahogany fittings; well stocked; house, 7 rooms and bathroom, private entrance; pleasant garden; stable and coach-house; returns average last 6 years over £700, good profits; Optics and Dentistry recently added; rapidly increasing; only 4 changes last 50 years; rent £75; immediate sale necessary; splendid opportunity for man with £450 cash; inspection invited. Apply, "W. G. A." (44/12), Office of this Paper.

LONDON Suburb.—High-class Light Retail, Dispensing, and Photographic Business in main thoroughfare; shop handsomely fitted and well stocked; good opening for Optics; price, valuation of stock and fixtures (about £400); fullest investigation invited to genuine buyer; references required; no agents. "Confidential" (54/20), Office of this Paper.

LONDON, W.—For immediate Disposal, through illness in family, smart Retail and Prescribing Business (well stocked) in thickly populated neighbourhood; busy marketing centre; returns £900, increasing; good opening for Dentistry; no reasonable offer refused; full particulars at interview; agents ignored; bona fide buyers only. Write, "Opportunity" (53/30), Office of this Paper.

LONDON, S.E.—Old-established Business, with Photography; suburban main road; prominent corner position; neglected through ill-health; returns (present rate) about £600; rent £60; lease; stock and fixtures valued at £300; opening for Dentistry and Optics; grand chance for worker; sacrifice at £200; no offers; genuine buyers only. Apply, "Instantan" (53/36), Office of this Paper.

MIDLANDS (Central).—Old-established Business with Photography; corner position; good profits; returns £800; rent £35; price £375; well stocked and fitted; agents need not apply. "Genuine" (56/29), Office of this Paper.

NEWCASTLE-ON-TYNE.—Small, old-established Business for Sale, doing £500; Wine-licence attached; rent £45; low price. Apply, 50/20, Office of this Paper.

NORTHUMBERLAND (Colliery Town).—Business for Sale, doing nearly £600; rent £45 (let off £17); for speedy sale price low. Apply, "North" (50/200), Office of this Paper.

NORTH-WEST.—Old-established Chemist's Business situated in main thoroughfare; house above; reasonable rent; Prescribing, Photographic, and Optics, with first-class opening for Dental work; owner going abroad, will dispose stock and fixtures for £125. 49/15, Office of this Paper.

RICHMOND, SURREY (near).—Light Retail, Prescribing, and Photographic Business; well fitted and fully stocked; returns last year £516, increasing; good position; large convenient house; rent £40; sacrifice for £250 or valuation (about £300); fine opening for Dentistry; reason for selling taking larger business. Apply, 53/27, Office of this Paper.

SOUTH WALES.—Business doing £1,500 a year; good central position, large working-class town, all ready money, for Sale; by an arrangement will accept £900; half or more can remain at interest; long lease. Apply, 48/34, Office of this Paper.

WEST RIDING, YORKS.—Residential suburb; large town; unique opening for Optics and Dentistry; few Patents; exceptionally good house; garden, greenhouse; capable of great increase; average returns last 5 years £950; price all at £450; low rental. Apply, 50/17, Office of this Paper.

BUSINESSES FOR DISPOSAL

(continued.)

BUSINESS for Disposal; Sheffield; pleasant suburb; no opposition; good house, bath (h. and c.); suit young man; ill-health reason of disposal. Apply, 42/14, Office of this Paper.

CHEMIST (Teeth-extracting), near Manchester; well-fitted shop; main road; good Dispensing connection; well stocked; nice house; everything, £150. Express Business Transfer Co., 74 Victoria Street, Manchester.

COUNTRY Business; Yorkshire; delightful district; returns over £1,000; owner retiring; well-fitted shop; profitable trade; unopposed; rent £39; good house, with every convenience; price small goodwill and valuation, between £400 and £500. Apply, F. W. Smith, Valuer, 3 Belgrave Terrace, Leeds.

ENTIRELY unopposed, old-established Business in country town for immediate Disposal; Family, Prescribing, Photographic, Agricultural, and General Retail; good opening for Dentistry; turn-over £700; low rent; lease if required; owner taking larger business. "Medico" (50/34), Office of this Paper.

EXCEPTIONAL Opportunity.—Valuation of stock and fixtures will secure a good-class Family Retail Business in best position of good market town within reach of London; present returns £800; has done £1,400 with proper attention, and can again; immediate sale desired; chance rarely offered. Apply, "M.P." (54/300), Office of this Paper.

GENUINE bargain; S.W.; for immediate Disposal, profitable little Chemist's Business; well fitted and stocked; few Patents; returns £600 per annum, increasing; price for quick sale £300; part could remain; good house and healthy district, rent £45 on agreement, with option of lease; satisfactory reason for selling. "G. R. H." (52/13), Office of this Paper.

HEALTH Resort, county town and yachting station, West Coast (Wales); high-class old-established Dispensing, Optical, and Retail; excellent and annually increasing connection; only one opposition in town (unqualified) and for a distance of several miles; owner leaving country; low price to dispose before summer season; good premises; low rent. "Alpha" (51/38), Office of this Paper.

IMMEDIATE Disposal.—Retail Drug-stores and Tobacconist's Business in rapidly growing Colliery district, South Wales; splendid opportunity for qualified Chemist; offers good opening for Dentistry and Optics; splendid shop and house, in good position; low rent and rates. Apply, Drug-stores, Nelson, Cardiff.

OLD-ESTABLISHED Country Retail and Prescribing Business within 30 miles south of London; returns average about £800; can be largely increased by smart man; convenient house and nice garden; profits are above the average; all particulars and every investigation to cash buyers only; price about £550; offer wanted. "South" (45/27), Office of this Paper.

PRESENT returns £750; has increased greatly in last 12 months, and under proprietor (qualified or no) who could give whole attention would soon do £1,000; long lease; low rent; good house; tremendous population to work on and only weak opposition; net profit £250; price £500. 51 4. Office of this Paper.

SUBURBAN Business, newly established, in rapidly growing district of large provincial city; excellent prospects; little opposition; returns average £45 monthly; rent £30; price, valuation only (about £250), satisfactory reasons for disposal. "Pharmacist" (50/4), Office of this Paper.

TWO Chemists.—For immediate Disposal, Business situate in the City; lease having about 34 years unexpired at a rent of £112 2s. per annum; very extensive premises, consisting of double-fronted shop, large cellars, and 8 living-rooms; turnover about £1,000 per annum; stock £300 at cost; lease and goodwill £250; stock, fixtures, and fittings at valuation; an unique opportunity of acquiring an old-established City business at a nominal figure. Further particulars of Francis Nicholls, White & Co., 14 Old Jewry Chambers, London, E.C.4. Chartered Accountants.

WANTED, an offer for old-established Drug and Photographic in London; returning nearly £900; lease; good house (7 rooms); side and back entrance; garden; very low rent; up-to-date stock; mahogany throughout; very little opposition; must dispose of, taken place in country; will accept first reasonable offer to effect a prompt sale. Apply, "Acid. Boric." (53/10), Office of this Paper.

WE ask £25 premium for 14 years' lease; commanding Chemist's shop and house; grand position; rental £60; present returns £1,100; profits about one-third; owner ordered South through illness; stock and fixtures optional; remarkable chance of obtaining a valuable business for £25. Murray Rosenberg, Sole Agent, 80 High Street, Stoke Newington.

5,000 Population.—No opposition within 5 miles; Prescribing and Mixed Business in Colliery village in Glam.; cash trade; few Patents; £6 10s. weekly under management; rent 12s.; net profit £2; house attached; electric light; stock £100, could be reduced; splendid prospects. Best offer to "Genuine" (49/14), Office of this Paper, secures.

£75.—A Bargain.—London, N.W.—Suit qualified or unqualified; genuine opportunity for capable Prescriber; opening for Dentistry and Photography; price asked little more than valuation of stock and fixtures. 53/21, Office of this Paper.

£225.—Ready-money Business, with large proportion of Penny Pills, etc., and good profits, not far from Victoria Park, in thoroughfare second to none for its Saturday and general working-class trade; stock valuable; returns about £370; good garden and private entrance; 2-window room above very suitable for Dentist. 47/29, Office of this Paper.

SALES BY TENDER.

ARFIE, LIMITED, IN LIQUIDATION.

FOR SALE by TENDER, the PRESCRIPTION and all RIGHTS in the Proprietary Article "Arfie," a remedy for Skin Eruptions, Cuts, Bruises, Eczema, Piles, Burns, etc., together with the undermentioned Stock: 357 (1½-oz.) Pots "Arfie" stamped, 611 (½-oz.) stamped, 100 (1½-oz.) unstamped, 1,066 (½-oz.) unstamped; 17 (1½-oz.) and 2,354 (½-oz.) empty delf pots with celluloid caps; 2 boxes of cardboard envelopes, advertisement blocks, and a quantity of literature.

Goods to be removed within 14 days of completion of Sale at the sole expense of the purchaser.

Tenders to be delivered not later than MAY 26, 1909, to Thomas Robinson (Liquidator), 29 High Street, Chatham.

TENDERS.

EGYPTIAN GOVERNMENT.
MINISTRY OF THE INTERIOR.
DEPARTMENT OF PUBLIC HEALTH.

TENDERS are invited for the following: (a) Drugs; (b) Surgical Dressings; (c) Bottles for Dispensing. Specifications and Conditions of Contracts may be obtained on application to

The Director-General, Department of Public Health, Cairo. Tenders must reach Cairo not later than September 1st, 1909.

E. AMSTER, Director of Stores, D.P.H.

SALES BY AUCTION.

79 WAVERTREE ROAD, LIVERPOOL.

AN old-established (over 40 years) Retail Chemist's Business; corner shop and good premises; busy thoroughfare; owner retiring through declining years.

To be SOLD by AUCTION at Law Association Rooms, Cook Street, Liverpool, on THURSDAY, 27th inst., at 2.30 p.m.

TO LET.

GLASGOW.—Spacious Shop to Let in busy part of Argyle Street; frontage 22 ft., depth 65 ft.; moderate rent; early possession arranged. Maedonald, Agent, 33 Aylestone Road, Leicester.

SOUTH KENSINGTON (main road).—One or two unusually attractive Shops, commanding position in busy shopping centre, to be Let; suitable for Chemist. Apply on premises, 133 Coleherne Court, Old Brompton Road, S.W.

EXCEPTIONAL position for Chemist; Walkden Buildings, Stockwell Gate, Mansfield; commodious, modern saleshop, with large room over; rent £35. Apply, Baker Halford & Sons, Nottingham.

FOR SALE.

BOOKS.—14 vols (I. to XIV.) "Journal of Society of Chemical Industry," bound in half-calf, cloth sides; 4 vols. (XV. to XVIII.), in parts; Roscoe and Schorlemmer's "Chemistry," 2 vols.; Sutton's "Volumetric Analysis," 3 vols.; Allen's "Commercial Organic Analysis," Blyth's "Foods Composition and Analysis," and many others. Cammack, 34 Wolseley Road, St. Helens, Lanes.

FITTINGS.—Mahogany 10-ft. run of drawers, glass labels and knobs, shelving, and cornice over same; 10-ft. counter, cases in front, with plate-glass doors; 9 ft. 6 in. by 9 ft. 4 in. wall-case, complete. Offers, lot or singly, "S." (45/32), Office of this Paper.

MUST be Sold; any reasonable offer accepted; complete Stock and Fixtures, mahogany fittings, and good workable stock, worth £350; low price for quick sale. Apply, 50/36, Office of this Paper.

BUSINESSES WANTED.

BUSINESS wanted in any town between York and South Coast, excluding Eastern Counties and Wales; moderate rent and good position essential; money ready for advantageous bargain; details as to turnover, price, lease, and class of business requested, and strict confidence thereon guaranteed. Address, "Protosulphate" (49/37), Office of this Paper.

WANTED, immediately, for prompt cash, a Business doing from £500 to £1,000, on the Cornish, Devon, Somerset, or Dorset Coast; a neglected business if capable of improvement will not be objected to. Apply, with full particulars (in confidence), to "Verus" (51/19), Office of this Paper.

WANTED, in Southern, Midland, Eastern, and Northern Counties, Businesses returning from £800 to £3,000; Messrs. Berdoe & Fish have cash buyers waiting to secure genuine concerns; intending vendors should communicate with the above firm at their Transfer Valuation Offices, 35 Jewry Street, Fenchurch Street, E.C. Established 1870.

WITHIN easy distance of London.—Good Mixed Country Business in market town, returning £700 to £900, with good residence and garden; must be genuine and capable of extension. Apply, with full particulars (in confidence), to "Surrey" (48/33), Office of this Paper.

APPRENTICESHIPS.

APPRENTICE or Improver; indoors; a good opportunity offers for a well-educated youth to learn the practice of Pharmacy in an old-established Family and Dispensing business in healthy market town in the West Riding of Yorkshire; half-holiday weekly; premium required. Apply, "Yorks" (49/10), Office of this Paper.

PARTNERSHIPS.

AN old-established Limited Company and firm of Essence Distillers and Chemists, with a considerable British and foreign trade, are open to receive proposals from a gentleman (30 to 35) having best qualifications as a tactful Chemist and a sound business man, with a view to acquiring Directorship by Purchase of Shares, and this exceptional opportunity is due to the retirement of a director. State capital available with application. "Essences" (37/54), Office of this Paper.

AN Unusual Opportunity.—Proprietor of two wonderful, unusual Patent Medicines (highly endorsed nearly all parts of world), also owner of large Drug-store, offers party with £500 Partnership; full particulars at interview only; a great future assured; references exchanged. Address, "B.," 30 Beresford Road, Highbury Park, N.

OWING to the death of one of the Principals of an important business in a market town in the South of England there is a vacancy for an active Partner about 36 years of age; capital required about £1,000; full information as to turnover and profit will be afforded; applicants must have been accustomed to a quick Cash and Prescribing trade, and it will be considered an advantage to have had experience in Optics and Photography. Apply, "Pharmacy" (53/14), Office of this Paper.

PARTNERSHIP offered gentleman in Toilet-brush manufacturing business, who can invest £1,000 and able to Travel; one with connection preferred. 53/8, Office of this Paper.

AGENCIES.

HIGH-CLASS firm manufacturing Fine Alkaloids and Chemicals on large scale, desires to appoint Agents already established on commission for Scotland and Ireland, residing in Glasgow and Belfast respectively. Apply, with particulars, to 43/19, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

RESULTS

OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK *May 15* 1909

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This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of advertisers who use a number or nom de plume.

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RETAIL.

BARNSTABLE.—Unqualified Assistant; indoors; good knowledge of Photography necessary. W. J. Shepperd, Pharmacist, Barnstable.

BIRMINGHAM.—Assistant wanted, to live over shop; unqualified; not over 30. State full particulars, enclose photo (to be returned), to C. Thompson, Pharmacist, 159 Stratford Road, Birmingham.

BIRMINGHAM.—Qualified Assistant; able to take charge of a branch; must be a good Salesman and Dispenser; gentlemanly and energetic. Apply, giving full particulars of age, height, experience, salary required (outdoors), with photo, to Hedges & Son, Pharmacists, Birmingham.

BOLTON.—Wanted, an Assistant; unqualified. Please state age, experience, and salary required, married or single, to H. B. Pare, 89 Deansgate, Bolton.

BOMBAY.—Wanted, qualified Assistant, under 25 years of age; passage P. & O. paid out and home; salary first year £172, second year £192, third year £212 per annum; 3 years' agreement certain. Apply, with photo and copy testimonials, to "R. L.," c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

BRIGHTON.—Wanted, Assistant (19 to 23) for permanency: indoors; neat and accurate Dispenser; with or without qualification; only one kept; comfortable berth; easy hours; time for classes could be arranged; might suit an older, unqualified man. Full particulars in first letter to Mr. Hall, 154 Marine Parade, Brighton.

CAPE COLONY.—Qualified Assistant; about 26; 3 years' agreement; salary £180 first year, £192 second year, £204 third year; second-class passage paid out. Apply, with photo and copies of testimonials, to "R. L.," c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

CAPE TOWN.—Qualified Assistant wanted; young man with experience in Country business; 3 years' agreement to be signed; salary £14, £15, £16 per month for first, second, and third years respectively; second-class passage paid. Apply, stating full particulars of experience, to "Borax" (53/6), Office of this Paper.

CHESHIRE.—Junior or Improver wanted for good-class and Mixed Country business; good reference indispensable; half-day off every week. State age, height, experience, and salary required (outdoors), Horrocks, Chemist, Knutsford.

CHESTER.—Improver wanted (aged 19 to 21) for Light Retail and Dispensing; must be an abstainer and have good reference. Apply, with full particulars, enclosing photo, to Randall Roberts, M.P.S., Foregate Pharmacy, Chester.

COVENTRY.—Qualified Assistant wanted for branch, June 7; outdoors; single. State age, salary required, references, and other particulars, to F. Bird, Pharmacist, Spon Street, Coventry.

SITUATIONS OPEN *(continued.)*

CHINA.—Excellent opportunity for a Minor man in a first-class British Pharmacy in healthy city of North China; one with knowledge of French or German preferred; the position is a good one for a young man willing to extend his business experience and knowledge of the world, and to make money, the salary being liberal; passage paid out. Apply, 47/51, Office of this Paper.

CREWKERNE, SOMERSET.—Wanted (indoors), unqualified Assistant (22 to 24), capable and well recommended, for good-class Country Retail and Dispensing; very easy hours; comfortable indoor berth; pleasant district, within cycling distance of Devon coast. Particulars, photo (returned), and say when disengaged, Keeble, Chemist, Crewkerne.

DEVIZES.—Assistant required, about June 12, for Light country town business; indoors; age about 22; weekly half-holiday; easy hours. Please write, stating full particulars, salary required, and photo if possible, to J. Oliver, Pharmacist, Devizes.

DOVER.—Wanted, at once, qualified man as Assistant-Manager for Light Retail, Prescribing, and Photographic business. Send full particulars, references, and state when disengaged and salary required in first letter (send photo if possible), Cartwright, 52 Biggin Street, Dover.

HONITON.—Wanted, qualified Manager for good-class business in market town; abstainer preferred; must have good references and understand Photographic and Agricultural trade. Please send full particulars and salary required (indoors), with photo if possible, to Tyler, Pharmacist, Honiton.

JAPAN.—Qualified Assistant (about 24) in old-established English Chemist's; excellent climate and surroundings; short hours; liberal and progressive salary; passage paid out and home. Apply, 42-10, Office of this Paper.

LONDON, N.W.—T. H. Bateman & Co., 223 Finchley Road, N.W., require, about the middle of June, a qualified Senior Assistant; must have the best experience in Dispensing; indoors. Reply by letter, giving full particulars in first instance, and enclose photograph.

LONDON, N.W.—Wanted, qualified Assistant; aged about 23; indoors; comfortable home; part-time or time for study could be arranged. State salary required, "Y." (49/6), Office of this Paper.

LONDON, S.W.—Strickland & Co., Pharmaceutical Chemists, 23 Cromwell Place, South Kensington, require a qualified Assistant; good Dispensing experience; age about 23; indoors.

LONDON, N.W.—Wanted, at once, Assistant, not under 25 years; must have good knowledge of Dispensing; indoors; comfortable home and weekly half-holiday; personal interview preferred. C. A. Noble, 110 Mill Lane, W. Hampstead, N.W.

LONDON, W.—Assistant with good Dispensing experience; outdoors; hours 8.30 to 8.30, one evening from 5 (fortnightly from 2). Sunday duty every third, 6 to 8. Bruce's Ltd., Chemists, 28 Broadway, Ealing, W.

LONDON, W.—Assistant wanted, indoors; good Dispensing and General experience necessary. Apply, stating age, experience, salary required, etc., to A. E. Grimwade, 81 Cornwall Road, Westbourne Park, W.

LONDON, S.E.—Wanted, qualified Junior for brisk suburban Dispensing business; board in, sleeping accommodation provided out; salary £70. Apply, Mellin & Co., Eltham, S.E.

LONDON (18 miles from).—Wanted, immediately, qualified Assistant, smart, with a knowledge of Photography; comfortable berth; permanency to a suitable man. State fullest particulars (personal interview preferred) to E. P. Guest, Ltd., 129 and 31 High Street, Brentwood, Essex.

LONDON, S.W.—Required, Dispenser; Minor qualification; age about 25; outdoors; hours of work approximately 8.45 to 6 p.m., Saturdays till 2; no Sunday duty; 14 days' annual vacation. Reply, stating full particulars of experience, to 1037, Sell's Advertising Offices, Fleet Street, E.C.

LONDON, N.E.—Wanted, at once, a competent and reliable Dispenser for Institution work, 3 days a week for a few weeks; fair remuneration, dinner and tea. Apply to Mr. Barnard, Pharmacist, Hackney Road.

LONDON, N.—Wanted, Dispenser for Surgeon; about 8 hours daily; outdoors; unqualified; must be good writer; state references and salary; lady not objected to. Reply, by letter only, to Dr. Spoor, 55 High Street, Stoke Newington, London, N.

LONDON, S.W.—Wanted, a trustworthy Junior; aged about 25; accustomed to good-class trade; good references indispensable; personal application preferred. J. Lloyd, 125 St. John's Hill, Clapham Junction, S.W.

LONDON, W.—Wanted, end of May, qualified Manager; outdoors; permanency; working-class trade. Send full particulars, and photo if possible, to F. G. Turner, 67 Fernhead Road, Paddington, W.

LONDON, N.—Manager wanted for middle-class business in North London; weekly half-holiday; no Sunday duty; salary and commission, with rooms and gas; good opportunity for young, energetic man. Apply, with full particulars, to Harcombe Cuff, 25 Friern Barnet Road, London, N.

MALVERN.—Outdoor Assistant for about 6 weeks during holidays; commence second week in June; Dispensing and Photography chiefly. Full particulars to J. Need, Lygon Pharmacy, Malvern.

MALVERN.—Qualified Assistant; accustomed to best-class Retail and Dispensing. Please state full particulars as to previous experience, salary required (indoors), etc., to A. Mander, The Belle Vue Pharmacy, Malvern.

MANCHESTER.—Wanted, qualified Manager for branch; middle-class Cash Retail; house and gas free; half-holiday weekly. Apply, stating age, salary required, and copies of testimonials of last two situations, to H. Lockwood, Chemist, Harpurhey, Manchester.

MANCHESTER.—Qualified Manager; outdoors; Family and Dispensing business; good remuneration and bonus to right man, who must be a worker; hours 60 weekly; one with knowledge of Surgical Appliances, Optical, and Wholesale Drugs preferred. Send particulars, also photo, 53/13, Office of this Paper.

MANCHESTER DISTRICT.—Wanted, at once, a fully-qualified, smart, energetic Assistant. Apply, stating salary required, experience, references, age, height, to Thos. West & Son, Pharmacists, Stretford.

NATAL.—Qualified Assistant wanted for principal town; young man, good appearance, good manner, industrious, knowledge of Photo goods, Window-dressing, who has had experience in good business in provincial town; 3 years' agreement; second-class passage paid; salary £15, £16, £17 for first, second, and third years respectively. Apply, with full particulars of experience, to "F. E. T." (53/60), Office of this Paper.

OLDHAM.—Qualified Assistant wanted; outdoors. Address, with full particulars of experience, references, and salary (photo if possible), to 50/30, Office of this Paper.

OXFORD.—Wanted, Junior Assistant (young) for good-class Store business in centre of City of Oxford. Apply, stating age, height, salary (outdoors), enclose photo, say when disengaged, and give references, to Managing Director, Oxford Drug Company, Ltd., Dispensing Chemists, Oxford.

PORTSMOUTH.—Qualified Assistant; one seeking permanency preferred; comfortable hours; alternate Sunday-evening duty (3 hours), and weekly half-day. Apply, giving full particulars as to age, salary required, etc., and photo if possible (to be returned), to 50/26, Office of this Paper.

SCARBOROUGH.—Qualified Assistant for season or permanent; capable of taking charge; all-round experience. Send photo (to be returned), with full particulars, to J. M. Crosby, Ltd., Chemists, Scarborough.

SEASIDE.—Wanted, immediately, an Assistant of good experience and a capable Dispenser till about the end of October; outdoors. Apply, with full particulars, Raudall & Son, Pharmacists, Swanage.

SITTINGBOURNE.—Junior or Improver for good-class Country business; indoors; easy hours; half-day weekly; no Sunday duty. Apply, stating age, height, salary, experience, and, if possible, enclosing photo (to be returned), to Henry T. Maundrell, 2 and 4 King Street, Milton Regis, Sittingbourne.

STAFFORD.—Wanted, an Assistant; outdoors; good Dispensing experience. Apply, with full particulars, to J. & H. A. Averill, Pharmaceutical and Photographic Chemists, Stafford.

TUNBRIDGE WELLS.—Wanted, capable and energetic Assistant in high-class business, early in June; unqualified; outdoors. Apply, with full particulars of age, experience, salary required, and enclosing photo, to A. E. Hobbs, 33 Mount Pleasant, Tunbridge Wells.

E. MATTHEWS, Chemists and Wine Merchants, Ltd., Royston, Herts, require a registered Chemist about the 7th of June; outdoors; hours moderate; no Sunday duty; weekly half-holiday. Please state particulars and salary required in first letter, also send photo (which will be returned).

FRENCH Chemist wants a young genteel Assistant (18-20), who would like to learn French Pharmacy and language; good references required; family life conditions; boarded and lodged. Apply to Devic, Chemist, Fontainebleau, France.

GENTLEMAN; having a number of first-class businesses, requires qualified Assistant to relieve for Manager's holidays; good salary, and every prospect of a good permanent berth is satisfactory. State age, whether married, and when at liberty, 51/28, Office of this Paper.

HICKS & CO., Cardiff, require a qualified Assistant; outdoors; must be a reliable Dispenser and smart Counterman. Apply, stating age, height, references, and enclosing photo, to W. T. Hicks, 65 Richmond Road, Cardiff.

JUNIOR Assistant (outdoor) for good-class modern Retail; three assistants kept; must be good Window-dresser and well up in Photography; hours of business exceptionally easy; no after hours or Sunday duty; state salary required. Apply to J. Griffith Isaacs, Pharmacist, Neath, S. Wales.

LADY Dispenser for Doctor; experience. Apply (letter), "J.", 112 St. George's Road, Southwark.

LEWIS & BURROWS have vacancies for good qualified and unqualified Assistants. If application is made by letter, kindly enclose photograph and full particulars to 146 Holborn Bars, E.C.

QUALIFIED Assistant, also unqualified Assistant for Relief work at branch shops; energetic; experienced; satisfactory references required; outdoors; no Sunday duty; one afternoon each week. Apply, with usual particulars, and enclose photo if possible, to Managing Director, Henry Hodder & Co., Ltd., 5 Nelson Street, Bristol.

QUALIFIED Branch Manager wanted at once; energetic and enterprising, and with a knowledge of the Store trade; good salary to good man. Apply, 52/1, Office of this Paper.

QUALIFIED Assistant required; smart and gentlemanly; good salary and prospects; must possess exemplary character for honesty and sobriety. Timothy White Co., Ltd., Portsmouth.

SOUTHALLS, Birmingham, require a qualified Assistant, indoors, for Counter and Dispensing; first-class references indispensable.

TWO qualified Chemists wanted as Managers in two Midland towns. Apply, Horace D. Hayward, Chemist, Leicester Square, Walsall.

UNQUALIFIED: Drug-stores, seaside; permanent; live in; single; good Counterman, appearance, and address; abstainer; good opportunity for pushing man; must have undeniable references. State age, salary (moderate), and full particulars, photo (will be returned), "Enterprise" (51/1), Office of this Paper.

VACANCIES for qualified Assistants, owing to shortly opening several new branches on South Coast; progressive salaries to gentlemen with ability. Timothy White Co., Ltd., Portsmouth.

WANTED, at once, Manager for small branch; easy hours; registered or qualified. State salary required (which must be moderate), with last reference, to A. H. Ferriday, Chemist, Oaken-gates.

WANTED, Junior accustomed to making Toilet-preparations on large scale. Also two youths between the ages of 17 and 20. Apply, Mr. J. B. Wigginton, Harrods, Ltd., Brompton Road.

WANTED, reliable Manager for branch; married, and live on premises; permanency and prospects to suitable man; must have undeniable references; give fullest particulars and photo in first letter; letters not answered in 5 days respectfully declined. Thomas, Chemist, Treharris, South Wales.

WANTED, immediately, qualified Assistant for an up-to-date business, with prospects of an early management. State age, salary required, and when at liberty, 51/82, Office of this Paper.

WANTED, Assistant, qualified, for London, E.; capable to take charge; 25 to 30 years; used to a sharp Store trade; no Sunday work. Apply, 52/55, Office of this Paper.

WHOLESALE.

A WELL-KNOWN firm of Perfumers have a vacancy for a smart Traveller; London and South Coast. Write, in confidence, to "Odorator" (51/59), Office of this Paper.

CITY Wholesale house have a vacancy for an Export Invoice Clerk with previous experience in the trade; aged about 22; good prospect for a smart man. Apply, with full particulars and commencing salary required, to 55/16, Office of this Paper.

DISPATCH Clerk wanted by a London firm of Wholesale Druggists; must be young, experienced, energetic, and possess good references and knowledge of van-rounds in London. In reply, state age, salary, full experience, if married or single, and if disengaged, 51/71, Office of this Paper.

DRUGGISTS' Sundries.—Required, by Wholesale house, Ireland, reliable Assistant with experience Packed Goods, Toilet Requisites, etc. Reply, with copies testimonials, stating age, salary expected, 52/22, Office of this Paper.

HEAVY trade; Assistant not under 35; competent; knowledge of Paints and Varnishes necessary; permanency to suitable man; no Sunday duty; half-holiday weekly; applications not answered in 3 days respectfully declined. Apply, with references, salary, etc., to C. A. George & Son, Fargate, Sheffield.

IMPORTANT Wholesale Speciality house desires Traveller, on liberal commission, to carry several lines interesting to the Medical and Dental profession; none but those with good connection need apply. Apply, by letter, with full particulars, to "Z." (53/12), Office of this Paper.

LABORATORY.—Wanted, an experienced man, unmarried, to take charge of a small Laboratory and putting-up department abroad; able to make all Galenicals and standardise official preparations; passage paid out; progressive salary; 3 years' agreement. Apply, by letter only, "A. E.," 1 Culverden Road, Balham, London, S.W.

ANALYTICAL and Laboratory Chemist, by London Manufacturing Chemists; fully experienced in Drug Analyses and Standardisations, and with a working knowledge of General Laboratory routine. Apply, giving salary required and all particulars, to 46/8, Office of this Paper.

MAJOR Man.—A vacancy occurs in the Analytical Laboratory of a firm of Manufacturing Chemists for a Pharmaceutical Chemist; must be experienced in the Analysis of Galenicals, Medicinal Chemicals, etc. Apply, stating full particulars as to age, experience, and salary required, to "B. M." (51/63), Office of this Paper.

MESSRS. BURROUGHS WELLCOME & CO. keep a register of applicants for positions in connection with their head establishment and works, and in connection with their colonial and foreign branches. Candidates for positions in the Offices, Works, Warehouses, etc., or on the Travelling Representative Staff at home and abroad, should always accompany their applications by full particulars of qualifications, experience, etc. As vacancies occur in Burroughs Wellcome & Co.'s rapidly-increasing business, this register is referred to and drawn upon. There are at present vacancies for applicants with Pharmaceutical training and a good knowledge of Spanish or French.

REPRESENTATIVES wanted, one for Midlands and South-West, one for Scotland and Ireland; qualified men preferred; a good opening for young, energetic men with undeniable references. State fully (in confidence) present and past employment, salary required, etc., Box 44, Osborne-Peacock Co., Ltd., County Buildings, Cannon Street, Manchester.

TRAVELLER for the Far East, about 35; a gentleman of good address and able to furnish undeniable evidence of successful and high-class work as a Representative in the Wholesale Drug-trade, extending over some years; none others entertained; excellent opening with progressive interest for a well-qualified man. Apply, 6/74, Office of this Paper.

TRAVELLER required by London Wholesale Druggists for the Southern Counties; salary and commission. Write, "Z.S. 682," c/o Deacon's Advertising Offices, Leadenhall Street, E.C.

TRAVELLERS (Country), with good connection among Wholesale and Retail Grocers, Oilmen, Chemists, etc., wanted for "Gotim" Fly-catchers. Send references and state ground covered to Masters, 101 Great Tower Street, London, E.C.

WANTED, Clerk in country Order department; knowledge of Patent Medicines essential. Apply, Mr. J. B. Wigginton, Harrods, Ltd., Brompton Road.

WANTED, Technical Manager for English branch of first-class foreign company, wishing to manufacture in England article already successfully introduced; preferred gentleman in the Pharmaceutical line, prepared to invest £1,000 to £2,000 in sound undertaking of £50,000 capital. Apply, stating experience, salary required, and references, to "B. D." (44/22), Office of this Paper.

SITUATIONS WANTED

(Colonial, Indian, and Foreign).

1s. for 12 words or less; **6d.** for every 10 words beyond, prepaid. Replies addressed to this office will be forwarded to the advertiser for an additional charge of **6d.**

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies or elsewhere abroad.

A qualified Assistant or Manager in British Colony; aged 32; height 6 ft.; health first-class; excellent references; Optics and Sight-testing, Photography; 4 years' South African experience; energetic, honest, steady. Reply, "Vindex" (36/10), Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid.

[HOME.]

Replies to Advertisements may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

RETAIL.

LADY Dispenser; qualified; Locum. "L," 76 Bedford Road, Ilford, Essex.

LOCUM-TENENS; qualified; May 24 to June 4 inclusive. 48/31, Office of this Paper.

LADY Dispenser requires post; qualified; good references. "G. V.," "Ronda," Worthing.

LOCUM; qualified; 29; experienced; disengaged. "Rhei," Greenhill, Radcliffe, Manchester.

DISENGAGED; unqualified; several years' experience. R. M. Lelan, 11 Princess Road, Leicester.

LOCUM.—Pharmacist; disengaged; town and country experience. Price, Bynnamlgw, Crowboro', Sussex.

ASSISTANT; 27; unqualified; excellent references. Innes, 10 Roseneath Road, Clapham Common.

UNQUALIFIED; 36; Prescriber, Extractor; good references. Foster, 125 Catherine Street, Doncaster.

QUALIFIED; 25; first-class West-end and Continental experience; permanency. 49/1, Office of this Paper.

LOCUM or permanency; Scotsman; qualified; 26; disengaged June 2; reliable. Walker, 12 Dyke Parade, Cork.

LOCUM or permanent; Manager; qualified; disengaged; abstainer. "Phenacetin," 10 Raby Street, Darlington.

LOCUM; qualified; disengaged June 1; varied experience and good references. "Gloster" (47/7), Office of this Paper.

ASSISTANT; outdoors; London or near; experienced; age 49; salary 36s. week. "Reliable," 63 Turnpike Lane, Hornsey, N.

ASSISTANT; abstainer; 23; good salesman; Photography; season or permanency. Alexander, 32 St. Margaret's Street, Canterbury.

ASSISTANT; unqualified; 23; Dispensing, Counter, Photography, Extractor; excellent references. Holden, 23 Marsh Terrace, Darwen.

ASSISTANT; qualified; 25; first-class experience; seaside or inland resort; after Whitsuntide to end of October. 48/36, Office of this Paper.

ASSISTANT; 22; abstainer; over 6 years' experience; Dispensing, Photography; disengaged June 14. Apply, "H. S." (49/18), Office of this Paper.

QUALIFIED; 10 years' all-round experience (good-class); well recommended; gentlemanly; abstainer. "Competent" (51/50), Office of this Paper.

LOCUM or season; unqualified; reliable; Dispensing, Photography, Window-dressing; good references; disengaged June 1. "L. M.," 14 Pleasant Place, Margate.

QUALIFIED (26), tall, seeks responsible position in first-class provincial business; excellent experience and references; outdoors preferred. Saunder, Eynsham, Oxon.

YOUNG man (20), Chemical experience, desires engagement with Chemist or Druggist; Wholesale or Retail; excellent references. A. A. Hammond, 27 Morley Road, Leyton.

QUALIFIED; Branch Manager or Senior; 25; tall; abstainer; first-class Dispensing, Retail experience; highest references; North preferred. Colbeck, Belle Vue House, Malvern.

JUNIOR or Improver; aged 23; tall; good references. Shaw, 150 Waterloo Road, Burslem.

IMPROVER (19), tall, wants situation with Dispensing Chemist. Heap, Fern Bank, Haslingden, Lancs.

PART-TIME (near London) or season; experienced; outdoors. Stansfield, Laurel Grove, Southport.

LOCUM; qualified; excellent references; disengaged. "Caius," 21A Castletown Road, West Kensington.

MANAGER or Locum; qualified; good experience; disengaged. "Salicin," 109 Ramsgate Road, Margate.

UNQUALIFIED; 26; 10 years' Dispensing and Photography. Hall, 36 Willmer Road, Anfield, Liverpool.

RELIEF given; Dispensing or Locum; Hospital and Store experience. Gibson, 198 Scott Ellis Gardens, N.W.

DISENGAGED; 33; temporary or permanent; Store experience. "Extractor," 146 Philip Street, Newcastle-on-Tyne.

DISPENSER to Doctor; disengaged morning and afternoon; excellent references. Stovell, 4 Handforth Road, S.W.

M.P.S.; Manager; best all-round experience; middle aged; tall; disengaged. "Optician" (51/26), Office of this Paper.

UNQUALIFIED; 25; Dispenser, Extractor, Prescriber, Photography; outdoors; all-round experience. "Statim" (51/2), Office of this Paper.

UNQUALIFIED; 14 years' experience, Dispensing and Store; highest references; permanency. "Civility and Courtesy," 104 Grove Vale, East Dulwich.

PHARMACIST and Dentist disengaged; large, all-round experience; moderate salary; town or country; single. "Manager," 141 Sydney Street, Chelsea, S.W.

JUNIOR; 20; in good-class Dispensing business; 4 years' sound experience; knowledge of Photography; good references. Sharp, 4 Tyrrell Street, Leicester.

MANAGER or Senior, qualified, 15 years' excellent varied experience, energetic worker, desires permanency; disengaged middle of June. "G.," 13 Clare Street, Cardiff.

SUMMER engagement wanted; outdoors; seaside preferred; qualified; good London and continental experience; Photography. "Savoy" (51/11), Office of this Paper.

AS Assistant or Manager with view to succession; undeniable testimonials and references as to character and ability. Full particulars to "Midas" (53/5), Office of this Paper.

QUALIFIED; 33; single; permanency as Manager or responsible post; hard worker; steady, trustworthy; good all-round experience; highest references. 52/38, Office of this Paper.

LEAMINGTON (or near).—Assistant (26), unqualified, good all-round experience, London and provinces, seeks a change; good references. J. E. Franklin, 45 Southampton Row, London, W.C.

UNQUALIFIED; 30; disengaged; Dispensing, Prescribing, Counter; can Manage sub post-office; permanency; in or outdoors; moderate salary. Scorgie, 38 Bonaccord Terrace, Aberdeen.

UNQUALIFIED; disengaged; 29; excellent experience and highest references; short hours; or part-time; Birmingham district preferred. Twigg, 110 Westfield Road, King's Heath, Birmingham.

WANTED, situation in Wholesale, Retail, or Surgeon's Dispenser; age 22; height 5 ft. 6 in.; 8 years' reference; moderate salary; outdoors. "W. E.," 39 Prebend Street, Great College Street, Camden Town, N.W.

BRANCH Manager; in or near City preferred. "M., 39 Theobald Road, Leyton.

IMPROVER; indoors; small salary to gain experience. 52/11, Office of this Paper.

DISPENSER (Hall); excellent experience and references. 53/23, Office of this Paper.

UNQUALIFIED; 26; good all-round man. Singleton, 46 Malvern Road, West Kilburn.

LOCUM or Junior; 5½ years' first-class experience. "Dispenser," 30 Oxford Road, Ealing, W.

DOCTOR'S Dispenser, Bookkeeper; abstainer; well recommended. "H., 5 Grafton Road, N.W.

QUALIFIED; Locum; 8 years with Corbyn, Stacey & Co. "Alpha," Boyton, Elburton, Plymouth.

LOCUM; qualified; disengaged; good experience and references. "Phenacetin," 57 St. Alban's Street, Rochdale.

QUALIFIED; country preferred; active; middle-aged; well experienced. "W., 18 Browning Road, Worthing.

LADY Dispenser disengaged; Locum or permanent; qualified; good testimonials. Apply, 50/11, Office of this Paper.

IMMEDIATELY; temporary or permanent; smart, reliable Assistant; Photographer, Extractor. Powell, Littlestone, Kent.

DISPENSER; unqualified; highest references; quick, accurate; thoroughly experienced. "B. C., 503 Southwark Park Road, S.E.

LONDON.—Qualified Manager; 27; 11 years' West London and provincial experience and references; single. 51/92, Office of this Paper.

ASSISTANT; unqualified; Prescriber; 30; good experience; references; disengaged. Ball, c/o "Devonia," Mountsorrel, Leicester.

LOCUM or Part-time; qualified; active, obliging; abstainer; Mondays, Fridays, and Saturdays free. "Borax," 535 Holloway Road, N.

UNREGISTERED; experienced; Locum or temporary; well recommended; abstainer; single. "Senior," 185 High Street, Uxbridge.

LONDON district; qualified; 27; 11 years' best London and provincial experience and references; single. 51/29, Office of this Paper.

LOCUM; disengaged; aged 40; satisfactory references; moderate salary; town and country experience. "Radix" (53/33), Office of this Paper.

DISENGAGED; a thoroughly reliable Locum; abstainer; permanency, or succession entertained. "C., 15 Marquis Road, Stroud Green.

ASSISTANT; Country business; competent, reliable; permanency; good references; married, no family; unqualified. 52/3, Office of this Paper.

ASSISTANT or Manager; 29; London experience; thoroughly reliable; Dispensing and good Counterman; references. 55/31, Office of this Paper.

QUALIFIED, good references, married, middle-aged, wants Manage shop where house given; nominal salary accepted. 53/32, Office of this Paper.

LOCUM; free July 31; good references; terms moderate; total abstainer; easily accessible (2 Western Counties). "T., (55/606), Office of this Paper.

UNQUALIFIED; good Dispensing, Retail, and Photographic experience; good references; Liverpool or district preferred. "S., 46 Talbot Street, Southport.

DISPENSING or Retail; neat, energetic Counterman; thoroughly trustworthy; had sole charge 7½ years; unqualified; small salary. W. Kemp, 100 Borough Road, S.E.

ASSISTANT; 10 years' high-class Dispensing experience; Photography and Bookkeeping; good references; disengaged. Tavenor, Homeligh, Essex Road, Stevenage.

LOCUM; part-time, permanent; West-end experience; 33 years; 6 ft.; good appearance; references excellent; London or Coast; disengaged June 1st. 54/2, Office of this Paper.

ASSISTANT; unqualified; 26; 4 years' experience; used to good trade; brisk Retail; energetic; abstainer; time for study preferred. "D., 121 Godwin Road, Forest Gate.

YOUNG gentleman, unqualified, 15 years' experience, requires berth in a good Mixed Country business; permanency, or object of partnership. "L." (50/19), Office of this Paper.

SMART, reliable Junior (20) seeks permanency; Lanes or Midlands preferred; 6 years' first-class experience; highest references; abstainer. Hewerdine, 29 Vernon Street, Lincoln.

EDUCCATED Assistant; 26; part-time or otherwise; accustomed take charge; first-class Dispensing and General experience, and references. "Responsible," 32 Hereford Road, Acton, W.

COMPETENT, reliable, and first-class Assistant or Manager; 15 years' London experience; disengaged in 2 weeks; permanent position wanted; unqualified; thorough Counterman. 52/15, Office of this Paper.

ANY large town; qualified single man, with varied experience and some capital, seeks permanency with view to interest in a brisk business; no objection to a Mixed trade; disengaged shortly. "Reliance" (51/5), Office of this Paper.

ADVERTISER (aged 24) desires re-engagement as Photographic Chemist's Assistant or to Manage Photographic department; able to assist in Chemist's Retail business; excellent reference. W. S. Andrews, 11 Mount Sion, Tunbridge Wells.

WHOLESALE.

SITUATION required; 10 years' all-round experience; aged 30. 51/25, Office of this Paper.

WAREHOUSEMAN seeks situation; 9 years' experience Chemical trade. 54/1; Office of this Paper.

AS Clerk; young man requires situation; good experience; excellent references. 50/8, Office of this Paper.

7 years' experience; Wholesale and Retail; good appearance and address; London preferred. 49/4, Office of this Paper.

TRAVELLER (experienced), or post at Exhibition; fluent French and Italian; aged 38. Apply, 53/17, Office of this Paper.

PARTICULARS in full at interview; Representative; 31; present berth 12 years. Apply, "Cato" (50/13), Office of this Paper.

YOUTH (19) seeks situation; Wet or Dry Counter; 5 years' experience; good references. "C. B., 31 Saville Road, Walworth.

IN Manufacturing; Retail experience; slight London Wholesale; nominal wage with view to permanency; 36; unqualified. Simon, 49 Trcherne Road, Brixton.

LABORATORY Assistant (30) requires situation; 8 years' practical experience in the Manufacture of Specialities and B.P. Preps. 43/15, Office of this Paper.

TRAVELLER, with old-established connection South and South-west Coast, requires extra Side-line; commission and part expenses. "Rhei" (49/26), Office of this Paper.

TRAVELLER for Drugs and Packed Goods, Kent and South Coast, wishes to Represent Bottle Makers and Cork Merchants. "Phial," 128 Windmill Street, Gravesend.

TRAVELLER, with first-class connection North of England and Scotland, requires additional commission not clashing with high-class Perfumery. "Sundries" (53/9), Office of this Paper.

GENTLEMAN, calling on Chemists, Doctors, Hospitals, etc., is open for another Commission; must be first-class firm; advertiser has excellent credentials. "Business" (54/7), Office of this Paper.

ANALYTICAL Laboratory.—Well-educated youth (19) wants situation; 2 years' experience in Chemical Laboratory; highest references. Please reply, E. Waters, "The Horns," Horns Road, Ilford.

SITUATIONS WANTED—cont.

TRAVELLER in Medicinal Capsules and Sundries desires additional Representation; West of England and South Wales; Drugs, Pills, Perfume, Soap, or Medicated Lozenges. 51/30, Office of this Paper.

CHEMIST, with London experience, desires engagement in Wholesale Druggists' Laboratory; thoroughly experienced in Drug Standardising and Manufacturing, with practical knowledge of the trade. 53/37, Office of this Paper.

REPRESENTATIVE important firm desires change; sound connection Chemists, Grocers, etc., Southern and Eastern Counties; Alcohol, Perfumes, or kindred lines; tactful, energetic, successful. 50/12, Office of this Paper.

EXPERIENCED Traveller (young), just completed engagement with important London house, requires appointment as Representative with first-class house, Drug or Allied trades. Apply, "Quintain," 18 Hastings Avenue, Burnett Field, Bradford.

TRAVELLER.—Advertiser (qualified) is open to treat with first-class house with view to Representation in Provinces, South of England preferred; 18 years' best business experience; 6 years as Traveller for two front-rank houses; Drugs, Sundries, or allied trades; disengaged shortly. "H. E. C." (52/91), Office of this Paper.

TRAVELLER, experienced, with good connection amongst Chemists in West of England, North and South Wales, Eastern Counties, North of England, and Scotland, desires to represent a first-class house; Drugs, Lozenges, Sundries, Perfumery, Soaps, Plasters, or Medical Printing; highest references. "C. H. P.," 142 Amesbury Avenue, Streatham Hill, S.W.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, 30 Tranquil Vale, Blackheath, S.E. Telephone 81A Lee Green.

SHARES FOR SALE (free of commission, subject).—25 C. Ash Preference, 23s. 3d.; 100 Bovril Deferred, 5s. 6d.; 100 Champion & Slee 6 per Cent. Preference 13s. 3d.; 100 Ordinary 12s.; 100 G. B. Kent Preference, 17s. 9d.; 15 Benger's Preference, 46 3s. c.d.; 70 Ilford Ordinary, 11s. 6d.; 50 A. J. White Ordinary, 3s.; 100 Virol, 6s. 4½d.; 50 Evans Lescher Preference, 45 4s. x.d.

WANTED (subject).—150 Camwal Ordinary 9d., 200 Preference 6s. 3d., 3 Debutures £33 17s. 6d.

List of shares for sale and wanted sent free on application. Bankers, London and County. Established 1898.

CHEMISTS' SHOP-FITTINGS (SECOND-HAND).—Ranges mahogany drawers, with bevelled-edge glass labels and cut-glass knobs, shelving above, lockers below; mahogany dispensing-screens, counters with glass-case fronts, wall-cases, bent-front and flat-top counter-cases, counter-desks, tooth-brush cases, complete shop-rounds, etc.; every requisite for chemists; extensive stock to select from at extremely low prices; practical men sent to all parts; illustrated catalogues and estimates free. **MATTHEWS, CHEMISTS' FITTER**, 14 and 16 MANCHESTER STREET, LIVERPOOL.

WE HAVE WHAT YOU REQUIRE, Drug Fittings, Counters, Wall-cases, Dispensing-screens, Perfume-cases, etc., in almost all sizes; second-hand; condition first-class; prices reasonable. Write for sketches and details giving approximate sizes, or call and inspect. **RUDDUCK & CO.**, 262 OLD STREET, E.O.

COMPLETE FITTINGS for SHOP (in excellent condition, as good as new).—12-ft. drug-fitting, drawers, lockers, shelving, and cornice; 6-ft. wallcase in two heights; 6-ft. screen, mirror centre, cases on each side, counter under; 8-ft. serving-counter; perfume case and desk; counter case; 432 10s. complete. **PHILIP JOSEPHS & SONS**, 93 Old Street, London, E.C.

"GARDEN CHEMICALS."—Chemists who wish to cultivate a trade in Horticultural requisites are invited to write to A. C. WOOTTON, 4 SEYMOUR ROAD, FINCHLEY, N., for a copy of the new and revised edition of the booklet entitled as above.

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DELICIOUS West Indian Honey in 56-lb. tins, 27s. 6d. to 30s. per cwt. f.o.b. net cash; sample sent. **Leonard Hall & Co.**, Direct Importers, 132 Queen Victoria Street, London, E.C.

DENTISTRY.—Personal Tuition given in Operative and Mechanical Dentistry (if desired at your own residence) by former Tutor for the Dental Examinations. Terms, etc., "L.D.S.," 3 Northgate Street, Devizes.

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if you wish to increase your business at a small cost. Whether it is large or small, you are able to still further increase the same, secure more customers, more profits, increase the sale of your own Specialities, and show the public that you are the most up-to-date Pharmacist in your district. How to do this is fully explained in my Booklet "How to Increase Your Business," which is sent post free by return on receipt of P.C. Send for it at once.

J. R. B. ALLISON, Pharmacist & Business Specialist, RETFORD.

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1/3

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10^D

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Information Wanted.

Inquiries for the names and addresses of manufacturers, or other trade information, not traceable by reference to the advertisement-pages of "The Chemist and Druggist" and the "C. & D. Diary," or not filed in our private register, are inserted here free of charge. Postcard or other replies to any of the subjoined inquiries (addressed to the Editor "The Chemist and Druggist," 42 Cannon Street, London, E.C.) will be esteemed.

45/64. Source of supply of "Paranaph," a disinfectant.

46/7. Address of makers of a Maori tonic recently put on the market.

46/5. Makers of "Rosella" clothes-cleaning pad, or where obtainable.

46/28. Makers of "Bishop's Fly-paper," or where obtainable.

49/9. Makers of or agents for "Formophene" or "Phormophene."

49/14. "Rex Tricuma": what is it, and where is it obtainable?

53/22. Address of London agents for manufacturers of "Nucleogen."

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BOOKS AND PERIODICALS.

GANOT'S "Physics," Roscoe's "Inorganic Chem.," Jarmain's "Analysis," Valentine's "Qualitative Analysis," "Selecta à Prescriptis," Henfrey's "Botany," Thorpe's "Analysis," Will's "Elements Pharmacy," etc. Offers, COLE, 36 King William Street, Greenwich.

DENTAL.

ARTIFICIAL-TEETH specimens for disposal; upper dentures. "TOOTH," 34 Trinity Street, Boston.
MASSEY'S odd diatomic teeth, 3s. 100; several pairs of forceps and dental teeth specimens. GILBERT, Stretton Lodge, Putney.

FORMULÆ.

FORMULAS for sale—lemon, raspberry, strawberry squashes. FRANCE, 42 Vartry Road, London, N.
THIS is the time of the year when one is beginning to be troubled with excessive perspiration of the feet and armpits. What do you recommend when asked for a remedy? Foot Powder? Does that cure or only relieve? Why not be up-to-date, and sell them a real cure (harmless). Formula for an absolute cure, costing threepence a pint, with three dozen labels (not liable), sent on receipt of P.O. for 2s. 6d. I only supply one Pharmacist in a district. Every bottle sold sells more, and people who want it must come to you for it. See "Miscellaneous Column" for further advt. J. R. B. ALLISON, Pharmacist, Retford.

-SHARES.

SHARES for Sale. See page 136.

SHOP FITTINGS.

TWO 3-gall. pear-shaped window-carboys, 13s. 6d. FISHBOURNE, 67 Redgrave Street, Oldham.
A COMPLETE range of best mahogany fittings for sale, including backed wall-case, 10 ft.; nest of 78 drug-drawers, glass labels, 12 ft. long; show-case counter, 9 ft. long; sponge-case; Southall's dispensing-screen, 6 ft. long and 5 ft. in centre. Offers to GALE, Chemist, Gateshead.

MISCELLANEOUS.

VAPOUR bath (Maw's Fig. 544); three brass enemas (Fig. 167); electro-magnetic machine (Fig. 130); No. 1 F.P.K., almost new condition; 56 lb. emp. roborans; 7 lb. indigo; offers invited. RICHARDSON, Chemist, Annan.
ON sale.—6 1-gal., 6 2-gal., 3 4-gal., 2 6-gal. cut stoppered pear-shaped carboys, 1s. per gal. to clear; 4 gross assorted shop-rounds, 10's to 40's, 3s. per dozen; 3 pockets 1908 hops, 32s. cwt.; 2 doz. dental forceps, as new, 2s. 6d. per pair. JACKSON & Co., 16 Stratford Avenue, Rochdale. Telephone 645.

WANTED.

WANTED, 2 large pear-shaped carboys. MOUNTFORD, 2 New Orchard Street, Bath.
4s. 6d. HEARNE'S bronchitis remedy. Price, carriage paid, to BUDDEN, 44 Dale Street, Liverpool.
WANTED, dental forceps, chair, and engine; cheap and good condition. VINSON, Chemist, Maidstone.
WANTED, odd lots perfume bottles, old syphons. Send particulars to 47/4, Office of this Paper.
WANTED, "British Pharmaceutical Codex." State lowest price and condition. REED, Chemist, Ilfracombe.
MINOR, Major, Chemists' books.—Send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.
BRITISH-MADE tablet-machines. Send particulars and prices to Laboratorio de la Drogueria del Dr. JOHNSON, Havana, Cuba.
MICROSCOPE with mechanical stage, good condenser and objectives, including 12-in. oil immersion; cheap. COUNTY CHEMICAL Co., Ltd., Chemico Works, Bradford Street, Birmingham.
WANTED, Gardner's combined sifter and mixer, 60 lb. or 100 lb. capacity. Please state whether hand or power and full particulars, PRICE, "Reliance" Works, Blackheath, Birmingham.

ADDRESSES WANTED.

WANTED, the address of Mr. T. W. Lloyd, Chemist, lately in business at Cwm Felinfach, near Newport, Mon. Please send to R. TOMLINSON & SONS, Bond Street, Birmingham.

Coming Events.

Notices for insertion under this heading should be received by the Editor on Wednesday of each week.

Monday, May 24.

Plymouth, Devonport, and Stonehouse Chemists' Association, 7 Whimble Street, Plymouth, at 9.30 P.M. Quarterly meeting.

Wednesday, May 26.

Royal Society of Arts, John Street, Adelphi, London, W.C., at 8 P.M. Mr. Sam Eyde on "The Manufacture of Nitrate of Lime from Atmospheric Nitrogen."

Western Chemists' Association, Restaurant Frascati, Oxford Street, London, W., at 9 P.M. Annual meeting and discussion on "Stockkeeping—Ways and Means."

Public Pharmacists' and Dispensers' Association, St. Bride Institute, Bride Lane, London, E.C., at 8 P.M. Mr. G. W. Udale, Ph.C., on "Two Years' Continental Experience."

Wolverhampton Chemists' Association, Star and Garter Hotel, at 8.30 P.M. Mr. J. F. Goodwin, "Dispensing Notes."

Sheffield Pharmaceutical and Chemical Society, Literary and Philosophical Society, Church Street, at 8.30 P.M. Special general meeting.

Society of Chemical Industry, University of London, Imperial Institute, South Kensington, at 10.30 A.M. Annual general meeting, followed by luncheon in the Great Hall (at 1 P.M.) and "At Home" (at 4 P.M.)

International Congress of Applied Chemistry, Guildhall, London, E.C. Evening reception by the Lord Mayor and Corporation.

Thursday, May 27.

Cheltenham Chemists' Association, 5 Promenade, at 9 P.M. Mr. A. C. Saxby on "The Meteorology of Cheltenham." There will also be a discussion on the Budget as it affects pharmacists.

International Congress of Applied Chemistry, at 3 P.M. Inaugural meeting at the Albert Hall, London, W., opened by the Prince of Wales. At 9 P.M., reception at the Foreign Office.

Friday, May 28.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 9 P.M. Professor J. Emerson Reynolds on "Advances in our Knowledge of Silicon as an Organic Element."

International Congress of Applied Chemistry. At 10 A.M., sectional meetings at the University of London, Imperial Institute and Royal College of Science. At 8 P.M., banquet at the Crystal Palace.

Saturday, May 29.

International Congress of Applied Chemistry. At 10 A.M., sectional meetings. Afternoon, garden-party at the Botanic Gardens. At 8.30 P.M., reception at the University of London, Imperial Institute.

FAIRCHILD SCHOLARSHIP EXAMINATION.—Intending competitors for the 1909 Fairchild Scholarship (50l.) and prizes (four of 5l. each) are reminded that Tuesday, June 1, is the last day on which applications can be received by the Secretary, Mr. A. E. Holden, 57-60 Holborn Viaduct, London, E.C.

The Week's Poisonings.

THE number of fatal poisoning-cases which we have to record this week is exceptionally small. At Strabane, George Gallagher, whilst temporarily insane, took strychnine, which caused his death. The poison (20 grains) was obtained from Mr. Jas. Hill, chemist, Strabane, on the pretence that it was required for killing mice.—There were two cases where oxalic acid was the lethal agent, both the suicides being women—Mary Jane Montgomery, Twickenham, and Emma Jane Daniels, Poolsbrook. In the former case the acid was bought from Mr. Palmer by the woman's husband for cleaning brass, and, besides being properly labelled, the purchaser was cautioned as to the dangerous nature of the poison.—A case of laudanum-poisoning is reported from Netherfield, where Mrs. Bromley took an overdose when suffering from toothache.—At Bristol a young man named Locke died from the effects of drinking caustic-soda solution in mistake for whisky. The liquid was drunk at a local brewery eighteen months ago, and the case has been the cause of police-court proceedings.

"HARLENE HAIR DRILL"



REASON and RESULTS.

If an article of toilet becomes in great demand, there must be a reason for it. It is either the sterling properties of the article in question, conscientious recommendation, or else it is caused by extensive advertising. "Harlene," for "Hair Drill," is in that pleasing position, owing to its popular and scientific method, its sterling properties, and successful and convincing publicity.

A GENEROUS OFFER.

To create trade and draw customers we will send to any Chemist purchasing a £2 parcel one gross of FREE SAMPLE BOTTLES for distribution, with dummies, showcards, &c., for display.

"HARLENE"

For the Hair.

	Retail.	Wholesale.
No. 1 size...	1/-	11/- per doz.
" 2 "...	2/6	27/3 "
" 3 "...	4/6	47/- "

"UZON"

Brilliantine.

	Retail.	Wholesale.
	1/-	11/- doz.
	2/6	27/3 "

"CREMEX"

Shampoo Powders.

	Retail.	Wholesale.
	1/-	11/- per doz.
	per box of 8 powders.	

SPECIAL.—Full discount of 20 per cent. off trade prices to all buyers of £2 (net) cash with order. The £2 parcel may be assorted according to customers' wishes.
CARRIAGE PAID.

Fully Illustrated Price List, quoting all productions, sent post free on application.

EDWARDS' "HARLENE" CO., 95 & 96 HIGH HOLBORN, LONDON, W.C.

THE MAN WITH THE COD

IN EVIDENCE AT

THE CHEMISTS' EXHIBITION

VINCENT SQUARE,

MAY 10-14, 1909.



SCOTT & BOWNE, LTD., show Scott's Emulsion. Tall jars of cod-liver oil, glycerin, and hypophosphites on this stall indicate the ethical nature of this proprietary article. The price is protected from cutting, and attractive showcards are supplied to retailers.

The Chemist and Druggist.

SCOTT & BOWNE, LTD., are exhibiting in a prominent position at Stand 54. The firm devotes itself exclusively to the exposition of the proprietary preparation known to all the world as Scott's Emulsion. This is recognised as the standard emulsion of cod liver oil with the hypophosphites of lime and soda, and has, for more than 30 years, been before the profession and the public. The reputation has risen year by year, and so has its sale. Continuous and costly experiment, unremitting energy in obtaining the best of materials used in manufacture, combined with extensive advertising and judicious business acumen, have placed Scott's Emulsion in an enviable and justifiable position. Scott's Emulsion is on the P.A.T.A. list, and, what is more, sells quickly. The firm has recently erected factories for the manufacture of the emulsion in the leading countries of the world; the English one finds its home at Southall, Middlesex, and is a substantial brick and stone building of modern design. Its exterior presents a striking appearance, whilst the interior is replete with up-to-date machinery, is a model of cleanliness, and possesses every requisite for the manufacture and production of a high-class proprietary article such as Scott's Emulsion.

The British and Colonial Druggist.

SCOTT & BOWNE, LTD., STONECUTTER STREET,
LONDON, E.C.

Box's Pills and Golden Fire.



A popular representation at the Chemists' Exhibition shown herewith.

BOX'S GOLDEN FIRE.

Is a New Discovery for the removal of diseases, being an **Electric Fluid of Intense Power** in rapidly attenuating, dissolving and removing obstructions in any part of the system.

Box's Golden Fire, which is used internally and externally, is a subtle extract from the vegetable kingdom, the hidden fire or life of plants and flowers, the "**Quint-essence of Life!**" Call it, if you please, "**BOTTLED FIRE!**" "**BOTTLED HEALTH!**" "**BOTTLED LIFE!**"

This **Great Remedy** and its accompaniment are sure cures for rheumatism, diphtheria, &c.

See Box's offer to the Government, in yellow-coloured pamphlet.

Price, 1/1½ and 2/9 per bottle.—Post 3d. extra. Prepared only by the Proprietor:—

W. H. BOX,
161 King St., Plymouth.

Trade Press Comments

The Chemist

W. H. Box, of Giant Pill fame, has a stand chiefly devoted to this remedy, which is on the P.A.T.A. List. The pills are boxed to sell at from 1s. 1½d. up to one guinea, according to quantity. Golden Fire is a liniment which Mr. Box has lately introduced for rheumatism, lumbago, gout, and similar complaints.

& Druggist.

The B. & C. D.

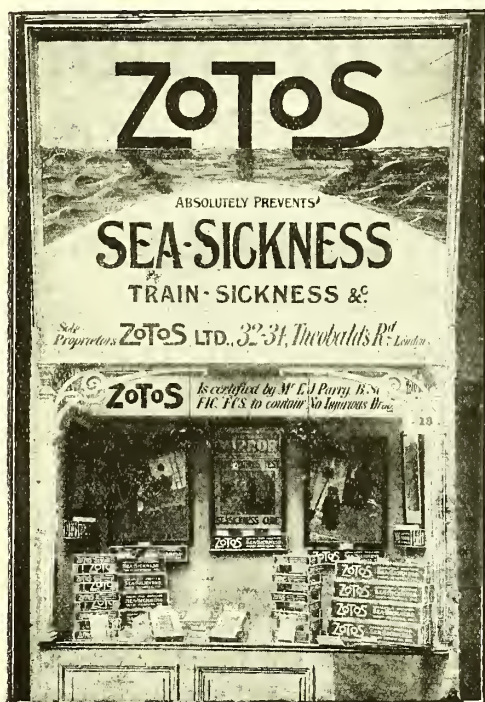
W. H. Box has an effective display of the deservedly famous Box's Pills and Golden Fire. An effective package is an asset in the case of any remedy, and in the case of Golden Fire its charms strike the eye at once, for it is one of the best preparations so far as get-up is concerned that we have seen for a long time. It is, however, to the intrinsic merit of these two preparations that their large sale is to be attributed, and in cases of indigestion, dropsy and rheumatism they are largely and

increasingly used. An imposing display of the guinea size of Box's Pills is made at this stand, which is under the able charge of Mr. Pengilley. Box's Pills yield a handsome profit to the pharmacist, and everything possible is done in the way of providing printed matter, showcards, &c., to promote the demand for these saleable lines. It is claimed for Box's Pills that, as they purify the blood, and as the skin is manufactured from the blood, the effect of these pills on the skin and complexion is most beneficial and most marked.

Showcards, Circulars, &c., from

W. H. BOX, 161 King St., PLYMOUTH

A POPULAR REMEDY



**WITH PUBLIC
AND CHEMIST
ALIKE.**

On the P.A.T.A.

*Effective to use
and
profitable
to sell.*

A view of our Stand at the Chemists' Exhibition.

Extract from the B. & C. D.

Zotos, Limited, are exhibiting their now famous remedy for sea-sickness, train-sickness, &c. Although Zotos has only been on the market since November last it has already obtained the confidence of the public, and has reached a large and ever-increasing sale. It will succeed, and it deserves to. It is a perfect remedy, efficacious and quite harmless, being followed by none of the bad effects of opium, cocaine, chloral, bromides or antipyrin. It also stimulates the appetite and promotes a healthy enjoyment of the journey. The remedy consists of a pink powder contained in a gelatine capsule, and should be swallowed whole, not sucked or chewed. Thus it is easy to take and is quite tasteless. Zotos should be hailed as a boon by the travelling public, and should reach a very large sale. It is supplied to the trade at 26s. per dozen, while its advertised price to the public is 2s. 9d. per box, minimum protected price 2s. 7d. per box, showing a good profit, while at the same time its sale should be rapid.

Zotos is neatly packed in a small tin box which can easily be carried in the waistcoat pocket.

REMEMBER.

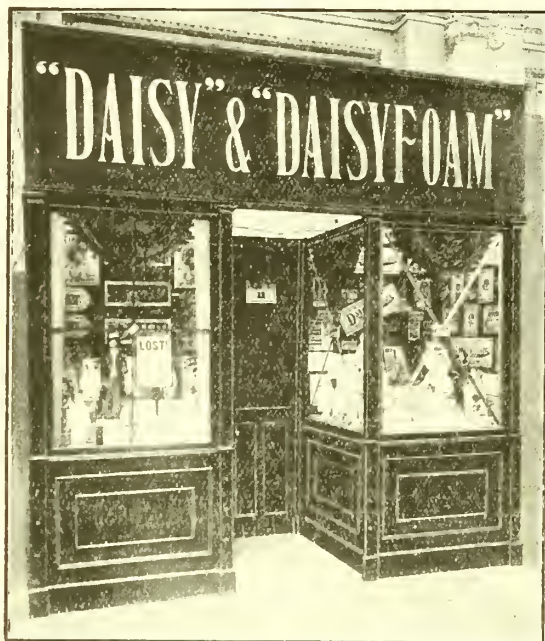
All travellers call
on their Chemist for
supplies before going
on a journey and
every traveller
should have a
supply of
ZOTOS.

ZOTOS LTD., 32 Theobalds Road,
LONDON, W.C.

DAISY ATTRACTIONS

at the Chemists' Exhibition

were this year
as strong as ever.
We give herewith a
photographic
reproduction
of our Exhibit.



A View of our Stand at the Exhibition.

DAISY, LTD., are showing the two specialities of the company—'Daisy' powders and 'Daisyfoam.' Separate windows are devoted to these products, and conspicuous features are the figures, automatic and otherwise, which have long formed a distinctive feature in the company's advertising methods, and which are sent on loan to chemists for making smart window displays to sell these lines.

The "Chemist and Druggist" opinion.



The British and

Daisy, Limited.—'Daisy' and 'Daisyfoam' is well observed at the Exhibition, inasmuch as the large letters of gold with dark-green background at the head of their stand do not fail to at once attract the attention of visitors. 'Daisy' Headache and Neuralgia Cure, and 'Daisyfoam' (registered) for the hair are the two particular articles at this stand. In charge are Mr. J. Lawson, general manager of the firm, and Mr. J. Haigh, the London representative, who genially to their many visitors discourse as to the reputation and efficacy of their wares. Their packets are sent out with the name and address of the pharmacist upon each, and the firm generously meet the wishes of their customers as to this and other like matters. A neat advertisement is shown by means of an electric mirror, wherein the word 'Daisyfoam' is clearly produced in this, especially at night-time. Prominent in the centre of the exhibit is a figure of a mermaid, which is the company's trade mark, and a model of this is sent to all purchasers of not less than one gross. The whole stand is pleasing, and good business is being done.

Colonial Druggist

DAISY, LTD., Mammoth Works, LEEDS.

Established 1893.

Disinfection

is best secured by using
Sanitas Preparations

FLUIDS, POWDERS, SOAPS, & APPLIANCES.



The "Sanitas" Exhibit at the Chemists' Exhibition.

At the above stand in addition to the well-known and largely advertised "Sanitas Fluid" and "Sanitas Powder," there were shown a full range of the "Sanitas" Soaps, Fumigators, Oil, Tooth Powder, Moth Paper and Powder, Jelly, Cream, Urinal Tablets, "Sanitas Eucalyptus Disinfectors," Veterinary preparations, Sulphur Candles, "Sanitas Formic" Preparations, Patent Drain Testers, and Patent Preserved Peroxide of Hydrogen. Particular attention also was given to the "Sanitas" Bath Soaps (with special showcards), and four new lines introduced during the last twelve months, respectively, the "Sanitas Formigator," "Sanitas Bactox Vaporiser," "Sanitas Blockettes," and "Sanitas Floor and Furniture Polishes" (six qualities). The "Sanitas" Coal Tar preparations, "Sanitas Okol" and "Sanitas Bactox," were also prominently shown, both these fluids having now the unusually high guaranteed co-efficient of 20 by the B. Typhosus Test.

From those Chemists who were unable to attend at the Exhibition we invite enquiries for all or any of the above lines.

Sanitas Co., Limited,
Locksley St., Limehouse, London, E.

PREVENTION OF DISEASE



**BY USE OF
TRUSTWORTHY
FILTERS.**

*Herewith is a picture
of our Stand at the
Chemists' Exhibition.*



The Chemist

Berkefeld Filter Co., Ltd., have a corner-stall on which they show the Berkefeld filter and Winco pumps. The simplicity in construction and rapidity of filtration is shown in a centre stand, to which four filters, worked by a pump, are affixed. The various sizes of house-filters comprise the main portion of the display.

& Druggist.

The B. & C. D.

The Berkefeld Filter Company, Limited, have a distinctive and very interesting exhibit. The most favourable results with Berkefeld Filters are obtained by their use as pressure filters, not as drip filters, and a feature of the present exhibit is the House Filter H, which, when connected to a constant main service, will yield 25 gallons of water per hour. The cost of this filter is 30s., and it is recommended as being one of the most practical, effective, and easily managed filters on the market, and the ideal filter for the home. The Berkefeld Filter Company are also makers of large supply filters, yielding under 45 lbs. pressure up to 550 gallons of water per hour; a varied range of stone drip filters from 14s. 6d. upwards, and of glass table filters from 7s. each is also shown. The "Winco" Semi-Rotary Wing Pumps require no fixing and are easily worked. They range in price from 16s. upwards. Filters for use in railway carriages and for hotel or restaurant use are also offered to advantage. The filters of the Berkefeld Filter Company, Limited, may be regarded as perfectly safe because they yield a germ-free supply of water. In construction they are simple, durable, and practical, and they are receiving a good deal of attention from pharmacists who can appreciate the advantage of protection from water-borne disease.

**FILTERS
IN GREAT
VARIETY**

BERKEFELD FILTER CO., Ltd., 121 OXFORD STREET,
— LONDON, W. —

A. WANDER, Ph.D.

MANUFACTURING CHEMIST

1 & 3 Leonard Street, LONDON, E.C.



Ovaltine

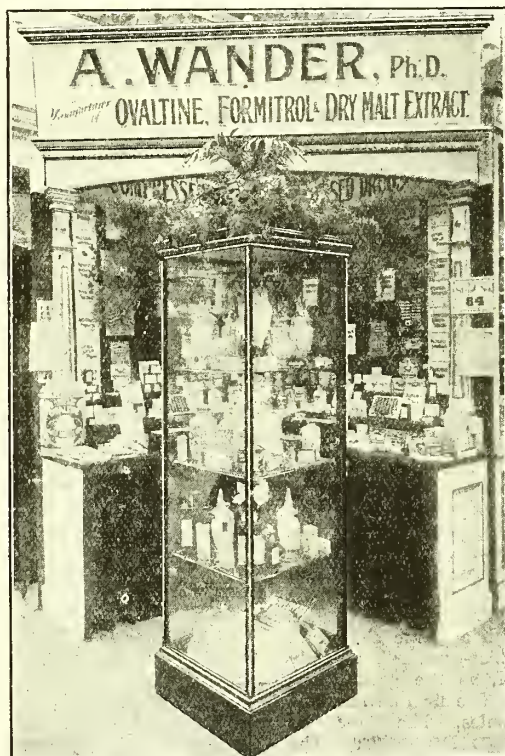
*The Complete
Food*

ON THE P.A.T.A.



Formitrol Pastilles.

Dry Malt Extracts



Anti-Obesity Tablets



Tamarind Dragees

Menthol Dragees

Blood Purifying Pills

Etc. Etc.

A. WANDER, Ph.D., at a well-arranged stand, show a very large variety of pastilles, dragees, pills, and counter specialties, especially intended for sale under the chemist's own name. The well-known Ovaltine is a complete food, containing active lecithin (organic phosphorus), and composed of milk, malt extract, eggs, and cocoa. It is most easily prepared for use by simply adding one or two teaspoonfuls to a cup of hot milk or water. It is a powerful digestive agent, and is claimed to be the best substitute for tea or coffee. Formitrol Pastilles are neatly put up in tubes containing 30 pastilles each, at a cost of 5s. per dozen, and they offer a pleasant and effective form for the internal administration of formaldehyde. They are of especial value in cases of infectious disease of the mouth or throat. A very neatly got up line in Anti-Obesity Tablets at 6s. 6d. per dozen deserves the attention of the practical pharmacist anxious for new lines that can quickly and with profit be converted into cash. Dry Extract of Malt alone and in various combinations, of which that with iodide of iron has especially met with medical approval, are also shown. Pills of various kinds, ointments in tubes, dragees, and tablets are offered to especial advantage by Messrs. Wander. Mr. C. W. Baldwin, London manager, is in charge.—B. & C.D.

SEND FOR NEW ILLUSTRATED PRICE LIST. JUST ISSUED,

*A. WANDER, Ph.D., 1 & 3, Leonard Street, City Road,
LONDON, E.C.*

Good Class Glass Goods



were shown at the Pavilion pictured herewith at the Chemists' Exhibition.



Everything in Chemists' Glassware.



Extract from The Chemist & Druggist.

F. H. TAYLOR & SONS have a large assortment of bottles and measures, but we have only space to refer to the chief novelties. In new measures a capital line is shown where the markings are of white burnt-in enamel. This makes the scale much easier to read, and by contrasting with plain etched figures a marked advantage is apparent. Cheap lines are shown in duck-shaped nasal douches, pocket-inhaler (nasal and oral), nipple-shields with transparent teats, and clinical thermometers. A good variety of tablet-crushers is also exhibited. This, as we have previously indicated, is a combined measure and mortar, with a pestle shaped to fit the interior of the vessel: the tablet-crusher is a handy form to have in the dispensary, and, as the graduations are constant, can be had stamped. The firm also make a special feature of pill-tubes and ampoules. The latter were first advertised in *THE CHEMIST AND DRUGGIST*. The pill-tubes, which are made to take corks or fitted with metal caps, might be more generally used, considering the reasonable price at which they are supplied.

~
**CATALOGUE
POST FREE.**
~

F. H. TAYLOR & SONS.—Although a comparatively new firm so far as trading among chemists is concerned, yet the strides which Messrs. F. H. Taylor and Sons have made in the direction of catering for the requirements of the retail pharmacist have been prodigious. There is hardly a line in chemists' sundries which they cannot supply, and this universality is reflected in the fully-stocked stand adjacent to the *B. & C. D.* Reception Room. Good quality and low price seem to be the way they conduct business, as may be seen by noting a few of the prices of general lines. For example, they are actual makers of glass nasal douches at 28s. a gross and a unique waistcoat pocket oral and nasal inhaler at 30s. a gross, each being in a cardboard box. Then, in graduated glass measures, there is a complete assortment, and here Messrs. F. H. Taylor and Sons have succeeded in manufacturing these measures with vitrified labels which will be passed and stamped by the Inspectors of Weights and Measures. The same principle has been applied to shop rounds, and the labels thus imprinted look very neat besides being practically indestructible. That this firm is up-to-date is instanced by their display of ampoules and apparatus for filling them. The sundries include feeding bottles of sound manufacture based upon hygienic principles. Mr. P. F. Taylor is in attendance, ably assisted by Messrs. T. H. Hammersley, W. Jennings, and C. Odell.

*Extract from
The British and
Colonial Druggist.*

F. H. TAYLOR & SONS, New Wharf Rd., King's Cross, LONDON

Telegrams: "TAYLORATOR LONDON."

Telephone: 4488 Central.

CHEMISTS EXHIBITION

(MAY 1909)



The photographic reproduction herewith gives some idea of the Eucryl Exhibit.

Eucryl Tooth Powder yields 100 per cent. profit on the P.A.T.A.

The Chemist & Druggist Comment :—

"EUCRYL, LTD., the toilet-specialists, have a pretty and effective display of their tooth-powder, toilet-soap, and bath-eucryl. All the Eucryl products are on the P.A.T.A. list, and to retailers special bonus terms are given, guaranteeing 100-per-cent. profit in return for counter-displays. Under this scheme, with opening orders of three dozen tins, an extra dozen is given free, and for repeat orders an extra half-dozen are included. Special terms are also given on the Eucryl antiseptic toilet-soap in boxes of three tablets."

Eucryl, Limited,

Hull.



A VIEW OF OUR EXHIBIT.

How to develop your business was illustrated by us at the Chemists' Exhibition

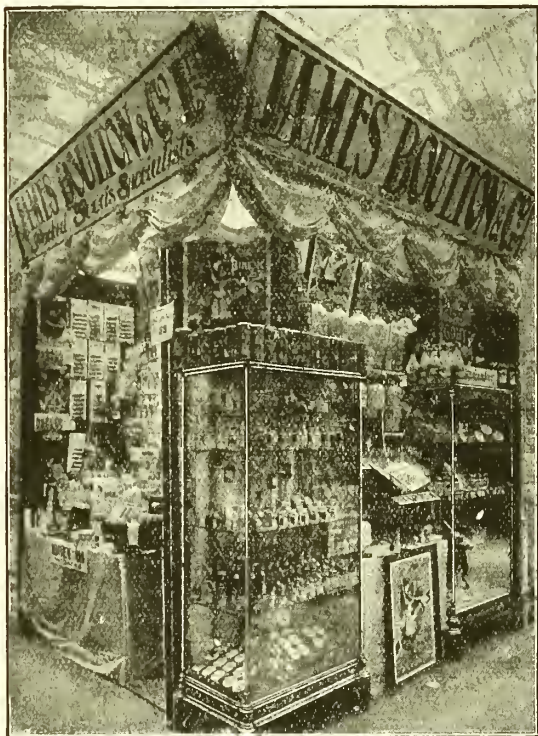
Let us mail you our List and full particulars. It will pay you handsomely.

EXPRESS DEVELOPING CO.

86 High Street, Whitechapel, London, E.

PACKED GOODS and TOILETRY

As shown in profusion at our Stand at the Chemists' Exhibition.



JAMES BOULTON & CO., Ltd.
PACKED GOODS SPECIALISTS.
Crayford Mills, Stratford, E.

OUR EXHIBIT AT THE CHEMISTS' EXHIBITION.



100% Profit
to the
Retailer
of
ZETTS
CLOTH
BALL.

Write
for
Window
Advertising
Contract.

Sole Manufacturers and Proprietors:

O'NEIL ZETTS & CO., 182 Stroud Green Road, N.

Surgical Dressings & Sundries

on show at the
Chemists' Exhibition.



A. BERLINER'S exhibit is chiefly devoted to surgical dressings. A pleasant chat with Mr. Berliner brought out several interesting points in connection with the development of his business and perfection of the various products. Take gauze tissues for instance. The surgeon finds in using them that flecks of cotton-wool escape and adhere to his clothes, causing a little unnecessary trouble. By the very simple device of enclosing the cotton-wool in a tube of gauze the tissue is rendered much less "messy" to use. A rubber-department has recently been added to the business, and includes the large number of druggists' sundries in which rubber is an ingredient. In toilet-preparations new lines are the "507" dentifrice, each bottle being in a casket, *poudre de riz* in attractive square boxes, and the Victoria tooth-paste in collapsible tubes.

The Chemist and Druggist.

**COTTON WOOLS, BANDAGES,
LINTS, BATH GLOVES,
DENTIFRICES, &c. &c.**

ARTHUR BERLINER is showing an increased production of novelties in chemists' sundries and surgical dressings at Stands No. 15 and 16, and which tend to demonstrate the up-to-dateness and progress of the firm. Foremost amongst the sundries is the new dentifrice, "No. 507," in patent stoppered bottles, each packed in a neat box, and Poudre de Riz face powder in new fancy boxes, and amongst the dressings are cotton wool, lint, gauze, &c., in special box and parcel finish. The Tubular gauze and cotton wool, wood wool, and other tissues are a decided improvement upon the old style of Gamgee tissue. Bandages of every description and finish are worthy of mention, especially the Crêpe Rheuma, which is very widely used and recommended on account of the sterling elastic qualities of the wool and weaving of the material. Special attention has been given to accouchement sets, which are packed in neat boxes and contain every requisite for the eventful occasion. A new department for rubber goods of every description has been added to the firm's business, and novelties in enemas, syringes, douche cans, &c., are on view, and should be inspected by intending buyers. The Victoria tooth paste is now packed in fancy plated tubes in two sizes, and meets with ready sale. A grand display is made of the firm's latest productions of bath gloves, bath caps, and sponge bags. Visitors to the stands are receiving every attention at the hands of Mr. Berliner, ably assisted by Messrs. Ford, Constable, and Paine.

TELEGRAMS:

"RENILREB
LONDON."

TELEPHONES:

LONDON WALL 507.
CITY 998.

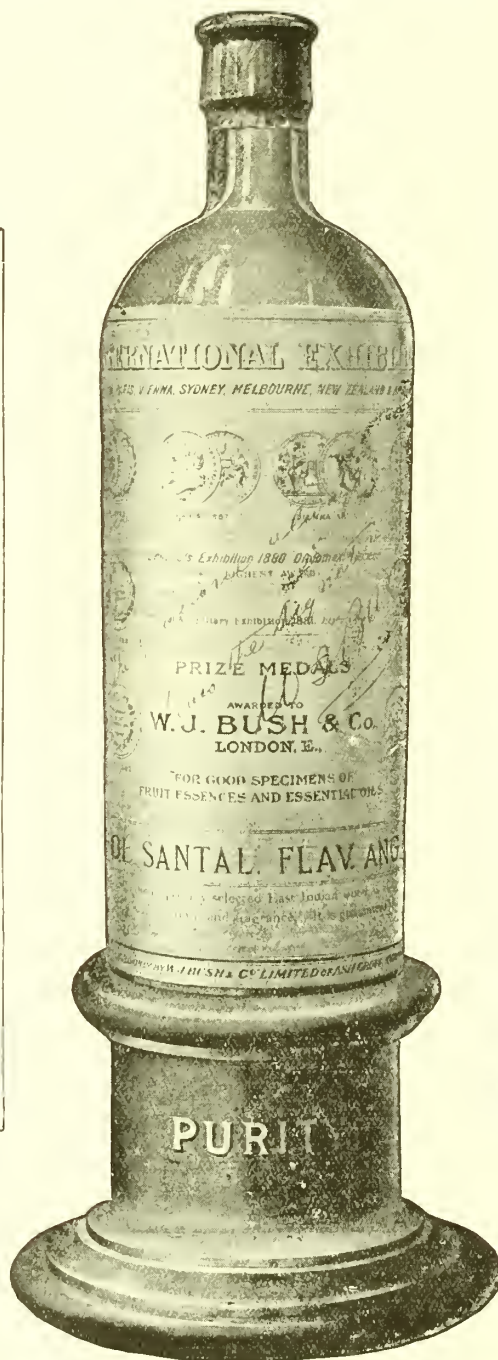
The B. and C. D.

Arthur Berliner,
15-17 WORSHIP ST., & 2a TABERNACLE ST., London, E.C.

IT IS IMPERATIVE THAT CHEMISTS AND OTHERS REQUIRING ESSENTIAL OILS

for Medicinal Purposes should employ Genuine and Finest Qualities only.

These can be obtained from W. J. BUSH & CO., LTD., who guarantee the following to be absolutely pure and to pass the tests of the British Pharmacopœia, 1898.



OL. AMYGDALAE ANG.

OL. ANETHI ANG.

OL. ANISI.

OL. ANTHEMID. ANG.

OL. CAJUPUTI.

OL. CARUI ANG.

OL. CARYOPH. ANG.

OL. CINNAMOMI VER. ANG.

OL. COPAIBAE ANG.

OL. CORIANDRI ANG.

OL. CUBEBAE ANG.

OL. EUCALYPTI.

OL. JUNIPERI ANG.

OL. LAVANDULAE.

OL. LIMONIS.

OL. MENTHAE PIP. ANG.

OL. MENTHAE VIRIDIS ANG.

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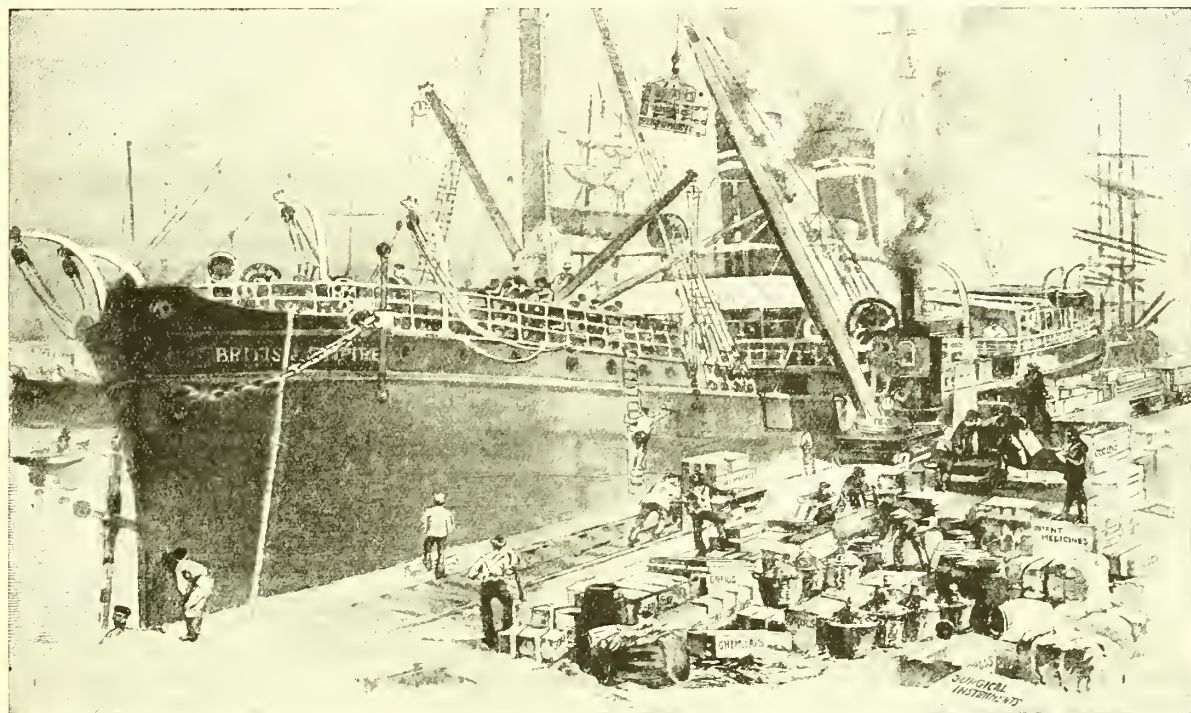
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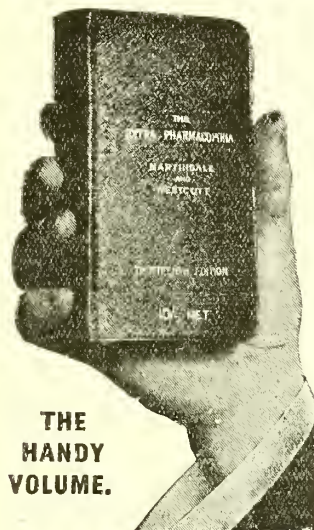
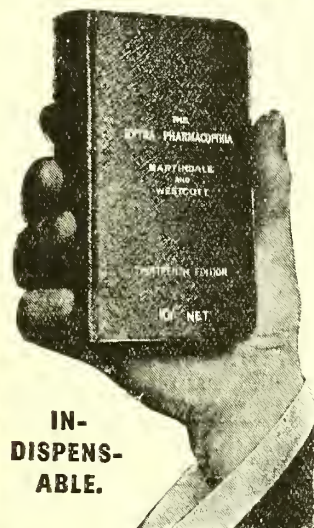
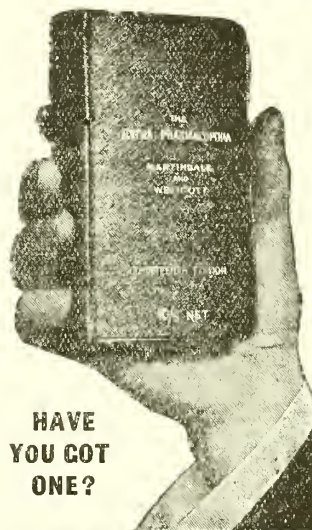
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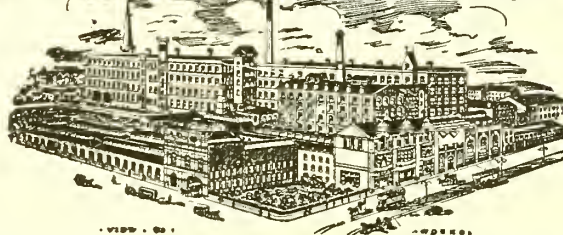
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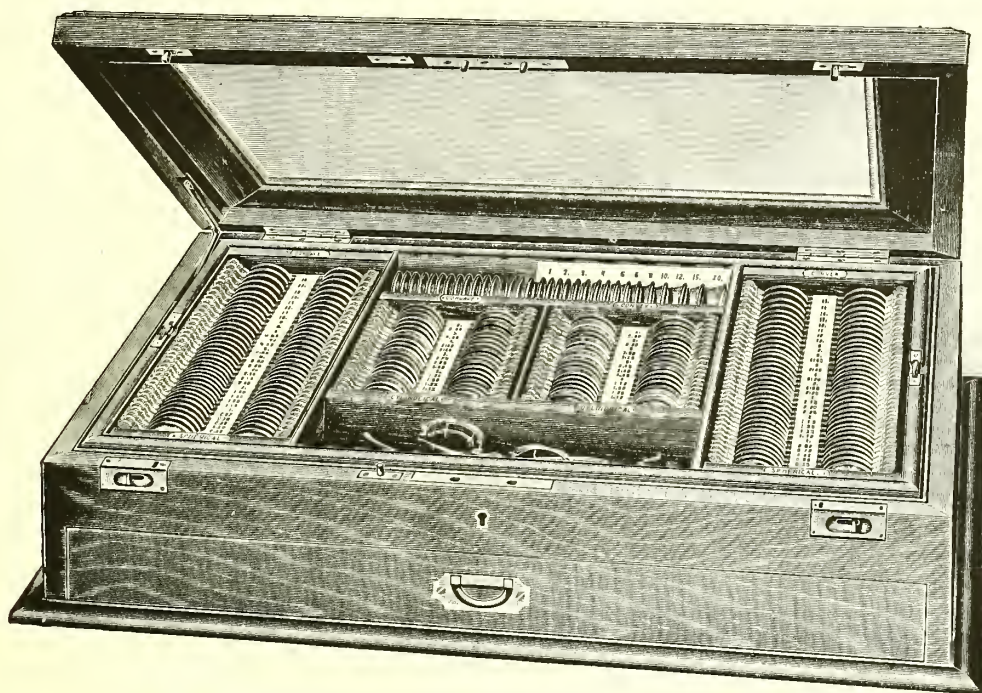
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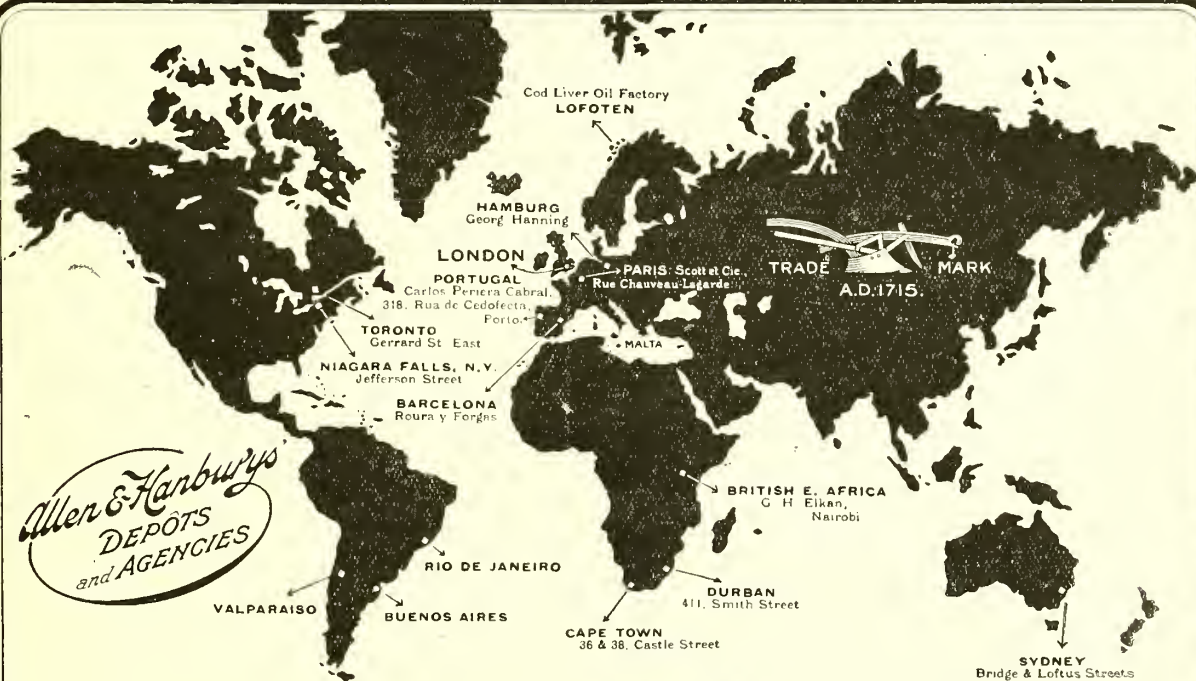
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VIOTTO SOAP, 2/- per doz. boxes net, 2/6 per box of 3 tabs. retail.

HAVANITA SOAP, 2/- " " 2/9 " "

All entered on the P.A.T.A.

OF YOUR WHOLESALE OR DIRECT FROM

H. BRONNLEY & CO., LTD.

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D. Pappazoglou,

KEZANLIK, BULGARIA.

**FINEST GENUINE
OTTO OF ROSE.**

I make a speciality of pure oil with lowest natural percentage of stearoptene.

Sole Agent: W. NAUMANN,
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Shipkoff's Pure Otto of Rose

The test of cheapness is *quality*—not *price*. Shipkoff's Rose is the cheapest, because it is the best Otto in the market. It is the *standard* brand—always pure and uniform, and *one* quality only.

Once tried, always used.

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FINEST QUALITY ESSENCE OF LEMON

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We guarantee the quality to be always UNIFORM and absolutely GENUINE, in accordance with the requirements of the British Pharmacopoeia, and also the U.S.A. Food and Drugs Act.

These ESSENCES are shipped from MESSINA in sealed Coppers to all parts of the World, direct to buyers.

BERGAMOT, Finest Quality.
ORANGE, Sweet and Bitter.

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MANUFACTURERS OF
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AND HIGH-CLASS PERFUMERY EXTRACTS FROM FLOWERS.

Essences solides, liquides and absolues . . .
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LIQUID OLONIQUES

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They are made by a new process direct from the flowers,
and are supplied ready blended and fixed. IT IS ONLY
NECESSARY to dilute with S.V.R. according to price of
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SPECIAL.—Try OLONIQUE NEW MOWN HAY. Price 7/2
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S. SERAPHIMOFF & CO.

KEZANLIK, BULGARIA.

Manufacturers and Distillers of Pure Essence of Rose.

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PRIZE MEDALS :

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DEAR SIRs,

For upwards of thirty years we have supplied our **Otto of Rose**, **guaranteed absolutely pure**, to the most important buyers in Paris, London, Grasse, Leipzig, Berlin, St. Petersburg, and elsewhere, and we beg of you to make careful note of our name. One order will suffice to convince you of our power to compete favourably with any other make in existence and to secure your constant patronage of our brand. You can at all times fully depend upon our intelligent efforts to give you every satisfaction. Samples and prices can be obtained of our Agents as under.

Yours obediently,

S. SERAPHIMOFF & CO.

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Quadruple Varieties:

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and all other popular Odours, in 3 qualities:
Quadruple, Triple, and Extra Triple.



All Prices, ranging from 1d. carded to
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LESCOL DAMASK CREAM.
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"THYMO-LESCOLINE" (the ideal Mouth Wash).

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Unsurpassed for Price & Quality.

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ESSENTIAL OILS.

EUCALYPTUS (Glob.), ANISEED OIL (China Star).
PEPPERMINT, CLOVES, LEMON, SANDAL WOOD, &c., &c.

All Oils guaranteed to pass B.P. requirements. Samples & Prices on application.

Essential Oils "Sachsse"

Terpene- and Sesquiterpeneless.

HIGHEST CONCENTRATION. BEST QUALITY IN THE MARKET.

Guided by the conviction that even the best commodities need some testimony as to their merits, we venture, in the following brief account, to direct your attention to our specialities, which appear to us destined to play a leading part in the Essential Oil industry. We refer to our

Terpeneless and Sesquiterpeneless Essential Oils "Sachsse."

I. What is aimed at in the production of Terpeneless and Sesquiterpeneless Oils?

It is a very general opinion among experts that essential oils embody the odoriferous or aromatic principle of the vegetable material from which, by distillation, expression or extraction, these oils are derived. This view is erroneous. It is more correct to state that only part of the constituents of an essential oil embody the aroma of the respective raw material, the remainder being indifferent or at any rate of less value as regards aromatic properties. As an example may be cited the delicately scented flavouring principle of lemon peel; this is not the **essential oil of lemon** itself but only a small fraction of it, as a matter of fact only some four or five per cent. of the total. This means that 95 or 96 per cent. of natural oil of lemon is quite unimportant as regards scent and flavour! In the case of **oil of orange**, only one or two per cent. are thus active, the remaining 98 or 99 per cent. being to all intent and purpose ineffective. The same applies to a greater or less extent to almost all the essential oils. It is only in quite isolated and exceptional instances, as, for example, the essential oil of bitter almonds, that the essential oil as a whole embodies the aromatic and flavouring principle of the vegetable substance.

Which then, from this point of view, are the active substances in Essential Oils and which the inactive?

Science furnishes an answer to this question: it is almost invariably the oxygen-containing chemical compounds which have the characteristic smell and taste of an essential oil, while, in the same manner, it is almost invariably the oxygen-free compounds which form those portions which are indifferent or of inferior value in these respects. A simple example of this may again be cited: in **oil of caraway** the active aromatic constituent is an oxygen-containing chemical body, i.e., Carvyl, while the indifferent constituent is an oxygen-free compound, a terpene called Carvone. Whereas the oxygen-containing bodies found in essential oils are recruited from a numerous class of chemical compounds, the further discussion of which here would lead us too far afield, the oxygen-free constituents belong chiefly to only two classes, viz. to the terpenes and the sesquiterpenes.

Thus, the importance of the designation "terpene- and sesquiterpeneless essential oils" will be readily understood: they are essential oils which have been freed from all constituents which are indifferent or of inferior value as regards aroma and flavour; in other words, they represent the pure odoriferous and aromatic principles of the vegetable kingdom released from all unimportant contaminations.

II. What properties are possessed by the Terpeneless and Sesquiterpeneless Essential Oils "Sachsse"?

The removal of the terpenes and sesquiterpenes naturally results in an increased richness of the oil thus refined; this is the case with the various essential oils in a degree proportionate to the amount of terpenes and sesquiterpenes present in the natural oil. For example, the increased richness or degree of concentration of **terpene- and sesquiterpeneless oil of lemon "Sachsse"** is twenty-five fold, i.e., one part of this oil corresponds to twenty-five parts of the natural oil of lemon. This high degree of concentration results from the circumstance, already mentioned, that natural oil of lemon contains only four or five per cent. of active substances.

Accompanying this greater concentration of terpene- and sesquiterpeneless essential oils "Sachsse" is to be found **greater delicacy of aroma**, since it is perfectly clear that **an essential oil must gain in delicacy of aroma in proportion as the odourless and tasteless constituents are removed.**

A further and very important advantage of the "Sachsse" essential oils is their **great stability.** It is, as a matter of fact, the terpenes in essential oils which, under the action of air and light, become resinous, whereby the delicacy of aroma of the oil is irretrievably impaired. A noteworthy exception to this rule is formed by the **terpene- and sesquiterpeneless oil of juniper "Sachsse."** This oil undergoes changes under the action of air and light in a very short time, and the only, but absolute certain remedy against the occurrence of this change is the solution of the quite freshly prepared terpene- and sesquiterpeneless oil in alcohol. The solution thus formed can be kept indefinitely. We therefore always recommend the keeping of oil of juniper "Sachsse" in alcoholic solution.

The particular property of our terpene- and sesquiterpeneless essential oils, upon which we pride ourselves, and which has raised them well above the level of all competing ones, is that of their **very great solubility in dilute alcohol.** The great majority of our oils are soluble in the proportion of 1, 2 or 3 of 69% (about 22 overproof) alcohol; **dilute alcoholic solutions of them are soluble in water!** This high degree of solubility is the criterion of their absolute purity and of the complete absence of terpenes and sesquiterpenes, for, in addition to their other inconvenient properties, terpenes and sesquiterpenes possess that of being but little soluble or completely insoluble in dilute alcohol. For this reason even a trifling percentage of terpenes and especially of sesquiterpenes will be betrayed by diminished solubility in alcohol of the respective product. Ready solubility in dilute alcohol is the touchstone which our products will withstand but upon which, without exception, competing products may dash to pieces.

Finally, as regards the economic aspect of the use of our terpene- and sesquiterpeneless essential oils, **their cost, thanks to our perfected methods of production, is so low that their use in the place of natural essential oils constitutes a pecuniary advantage.**

III. How are Terpeneless and Sesquiterpeneless Oils "Sachsse" used?

Upon this subject, naturally, only information of a general character can be given; this, however, in view of the wide range of application they enjoy in consequence of their great solubility in alcohol, will be found quite sufficient. **The degree of concentration represented by each of the terpene- and sesquiterpeneless essential oils as compared with the natural oils is stated in optimum values in our price list.** The possibility is thus afforded of employing our terpene- and sesquiterpeneless essential oils in the place of the corresponding natural oils. Very dilute spirit may be used for dissolving our Oils. Thus, in the majority of cases, 100 parts of 60% (about 7 overproof) or often even of 50% (about 11 under-proof) spirit suffices for the solution of one part of the Oils. Detailed information on the subject of the solubility of our oils is likewise to be found in our price-list. It is easy to convince oneself of their water-solubility by preparing a 1% solution of any one of the oils in 60-70% alcohol and pouring a small part of this solution into ordinary water; the essence forms a clear solution without sediment and will be found to render the water intensely aromatic.

We should not omit to add to our previous remarks the assurance that only first-class natural oils form the raw material of our terpene- and sesquiterpeneless essential oils "Sachsse." As a matter of fact, the manifold experiments which we have been able to make in the course of the evolution of these oils have only served to place us in the position of being able to make use of nothing but the finest varieties of natural oils. The advantages offered to consumers by the uniform quality and richness which characterise our terpene- and sesquiterpeneless essential oils will, we trust, be the means of securing your patronage.

Yours faithfully,

E. SACHSSE & CO.

Sole Agents for the
United Kingdom:

DOMIER & CO., 8 Harp Lane, LONDON, E.C.

ESFON**The
Nerve
Food.****ESFON**

A Powder-Food that CURES.
Reinforces the NERVES.
Strengthens the system.
Appeals especially to Vegetarians.
Most palatable and really curative.
Interesting booklet on the relation
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A booklet on the counter and the
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Minimum retail price, 1/6, 3/6, 6/6.

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The Smithfield Carrier Bicycle

Patented.

To carry 1 cwt.

The only Bicycle built throughout
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Complete with Lamp and Bell.

Carriage paid.

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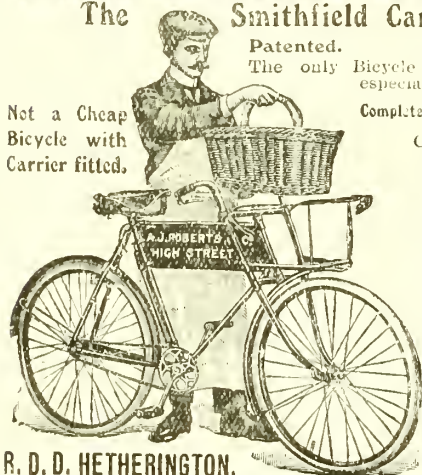
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Can be supplied under Chemist's own title if
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Refreshing as a Turkish Bath.

Invaluable for Toilet Purposes.

Splendid Cleansing Preparation for the Hair. Removes Stains and Grease Spots from Clothing.

Allays the Irritation caused by Mosquito Bites. Invigorating in Hot Climates.

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Estd. 1777.

**BUY****KENT'S****BRUSHES.**

Winter Issue, 1909, pp. 86, 87.

Diary, 1909, pp. 46, 47.

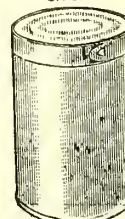
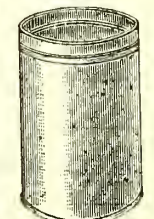
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Specially suitable for
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This high-class Eau de Cologne is manufactured by us from the very finest materials and upon recipes which have stood the test of generations.



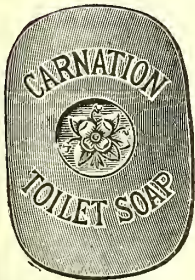
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The lengthy association of our house with the number 157th makes this line a distinctive one. The style & get-up have been studied and the unique red label and capsule help to make a really attractive article.



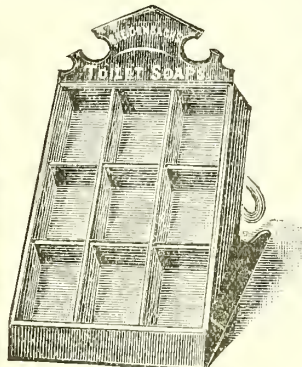
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**Offices & Showroom: 48 Greek St., Soho Square, W.
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The "Handy" Showstand is made of solid mahogany, well finished, and will be found very convenient for selling from, on the counter.



No. 1637 Stand.

It is supplied free of charge with opening orders for three gross of this series known as the "Regent" Brand.



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LONDON, ENG. ESTABLISHED 1793.



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The Testing Counter stand (as illustrated) is supplied free of charge with opening orders for 6 dozen of these 1/6 Speciality Perfumes.



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This very popular series is supplied in the following odours:—

Wild Apple Blossoms
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“Velvix”

HIGH-CLASS

**TOILET
PREPARATIONS.**

SHOW MORE PROFIT
THAN ANY OTHER
HIGH-CLASS TOILET
PREPARATIONS AT
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Write for List and Particulars
of CASH BONUS OFFER.

**Gold and Bronze Medals Franco-British Exhibition,
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From your Wholesale House, or direct from
THE VELVIX TOILET CO.,
42a, HAMPSTEAD RD.,
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BRITISH and BEST.

DEAR SIR,

MAY 8th, 1909.

With the object of meeting the views of the Trade we have arranged that on and after this date the "Erasmic" Shaving Stick shall be supplied in Cartons, showstands, &c., without Price, and that in the future the selling price shall be as follows:—

Nominal 1s.; Minimum 10d. each.

Trusting this alteration will lead to still further increased sales to our mutual advantage,

Yours faithfully,

THE ERASMIC CO., Ltd.

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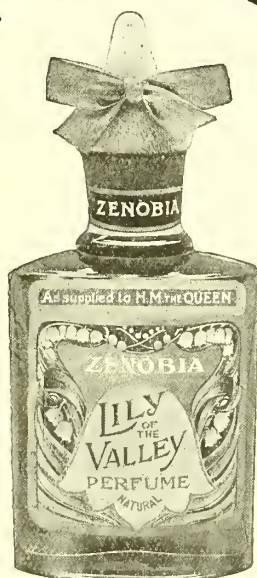
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In Bottles, 2/-, 3/6, 6/- and 10/6.

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Placed on sale by

JOHN STRANGE WINTER

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FOR THE HAIR.

JOHN STRANGE WINTER'S HAIR FOOD. Price 2/6.
KARMALAK. 2/6. AMBERINE. 3/6 and 8/-.
No. 1315. A clear, non-oily Stimulant. 3/6 and 8/- (4 times 3/6 size).
TEMPLE CREAM. For bare temples, moustaches, &c. 2/6 and 6/-.

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LAKSHMI. A perfect Skin Lotion. 2/6 and 6/- (4 times 2/6 size).
LAKSHMI CREAM. 2/6. MANDARIN CREAM. 6d (tubes) & 2/6.
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LAKSHMI SOAP. A High-class Toilet Soap. Three cakes in box, 1/6.

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MARQUISETTES. Tablets to enrich the blood, 2/9 and 4/6.

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PUT UP FOR EXPORT:

Small size, 3 oz. bottle, in case.
Medium " 7 " " "
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The number of dentifrices is myriad, their names are legion,

But—

in principle and in efficiency there is but one,

CALOX

THE OXYGEN TOOTH POWDER.

Its principle is the evolution of oxygen.

Its efficiency as a cleanser of the teeth is due to the oxygen which it generates when used.

Not only antiseptic, but deodorant, two desirable properties of a tooth powder. Its oxidizing and deodorizing power was obvious in our experiments.—THE LANCET, London, Eng.

Possesses not only strong antiseptic, but deodorizing and oxidizing properties, as the result of which the teeth, after a few days' use of CALOX, acquire a pearly whiteness.—THE CHEMIST AND DRUGGIST, London.

CALOX is entirely different from other dentifrices. Its introduction marks a decided advance in the scientific development of a dentifrice, a fact which the dental profession the world over has been quick to recognise. Chemists should interest themselves in Calox because only a chemist can explain the peculiar virtues and value of an oxygen-producing dentifrice.

Price to the trade, 9/6 per dozen on the P.A.T.A. plan.

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BRITISH DEPOT—A. C. WOOTTON, 14 Trinity Sq., Tower Hill, London, E.C.

IMMENSE AND INCREASING SALE.

WOODS' ARECA NUT TOOTH PASTE,

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"A Perfect Antiseptic Dentifrice."

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In Pots and Collapsible Tubes, 6d. and 1s. each.

SOLD BY ALL WHOLESALE HOUSES.

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Special Terms for £5 from the Proprietors—

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TOOTHBRUSHES

Penetrate
Everywhere.

IN THREE SIZES.

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and will be glad to send one free of cost to any Chemist or Druggist who will send his name and address; also counter bills with name and address.

ROWLANDS' TOILET ARTICLES have been known for the last 120 years as the purest and best preparations for the Hair, Skin, and Teeth that have ever been made. They are largely advertised all over the world, consequently there is always a regular demand for them, and they should therefore be kept in stock by all stores, chemists, and druggists.

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SPECIAL OFFER FOR ONE MONTH ONLY.

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With an order for 1 GROSS we will give a Special Bonus of THREE DOZEN free, and a Special CASH discount of 5%. The only condition is a Window Display for 2 weeks.

This gives you a profit of £1 7s. 6d. on an outlay of £2 7s. 6d.

TETLOW'S SWANDOWN FACE POWDER is no trouble to SELL; the Public know it and ask for it. Minimum price 5d. P.A.T.A.

Price 50s. per gross.

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For Shaving without Soap, Water, or Brush.



A. S. LLOYD'S EUXESIS.

For Shaving without Soap, Water, or Brush.

CAUTION.

The Labels on genuine EUXESIS bear signature of A. S. LLOYD in BLACK INK, and that of his Widow, AIMÉE LLOYD, in RED INK. Refuse any other.

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N.B.—When ordering from Wholesale Houses write LLOYD'S EUXESIS (WIDOW'S).



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The ORIGINAL remedy that kills the dandruff germ.

This wonderful Hair-Saver acts by destroying the germ or microbe that causes dandruff, itching scalp and falling hair, after which the hair resumes its abundant growth and beauty as nature intended. Extraordinary results follow the intelligent use of Herpicide. Sold in all civilised countries.

Newbro's Herpicide is the most exquisite hair dressing in the world. Cooling and comforting. It stops itching of the scalp almost instantly.

Manufactured by THE HERPICIDE COMPANY, Detroit, Michigan, U.S.A.

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Retail 4/- per bottle.

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In lots of 3 dozen, 5 % discount.

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Brand Makers
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Manufactured by us so that they reflect credit upon you and your goods.

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Our Factory is within five minutes' ride of Shepherds Bush and Hammersmith Tube and Railway Stations.
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"Nothing in retail pharmacy has been introduced for the past 50 years which has saved so much labour and added to the neatness of the chemist's stock as Viscose Bottle Caps. The old-fashioned methods have been entirely superseded, and no chemist can afford to be without them, in whatever class of business he may be situated. To be able to slip a cap over a cork stopper, sprinkler, or screw-cap, and leave it alone to make a hermetically-sealed cover, needs only to be seen to be adopted. The Company supply transparent and opaque caps in all colours, and many of the sundry houses always keep all the grades in stock."

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Dr. Allinson's Food Preparations.

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We print a list of the WHOLESALE HOUSES who keep above preparations in stock; if for any reason you have a difficulty in obtaining supplies, please send post-card direct to us, and a copy of the list will be sent to you by return.

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Handbills, Booklets, Showcards, &c., Free.

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To-day is the day of the cut price, and any Manufacturer who resolutely refuses to allow the price of his manufacture to be cut deserves the thanks and the orders of the Chemist Trade.

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FORMALIN THROAT TABLETS.



**The Popular Antiseptic
for Preventing Infection
from Diphtheria, etc.**

In Amber Bottles,
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ROSE, MINT, MENTHOL,
or LEMON FLAVOUR.

PRICE 5/6 PER DOZ.

Manufactured by

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Carlton Works, ASYLUM ROAD, LONDON, S.E.

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what "THE CHEMIST & DRUGGIST" says:

LAIT LAROLA. — "This little engraving represents one of the smartest arrangements for window-display that we have seen for some time. It is collapsible, measures 20 in. high by 11 in. wide, and although made of cardboard, at a distance of 3 or 4 yards it is so substantial looking as to convey the idea of the original cartons of "Lait Larola." It is just the thing to make an attractive corner in the window, on a shelf, or, indeed, in any part of the pharmacy. Any C. & D. subscribers who would like one should write to Messrs. Beetham & Son, Cheltenham, the proprietors of "Lait Larola."



Also Show Cards and Coloured Pictorial Postcards for distribution if desired. All the "Larola" preparations are protected at **FULL FACE VALUE**, and the goods bear a good profit.

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SPONGE IMPORTERS, EXPORTERS, AND MERCHANTS, AND CHAMOIS LEATHER DRESSERS.

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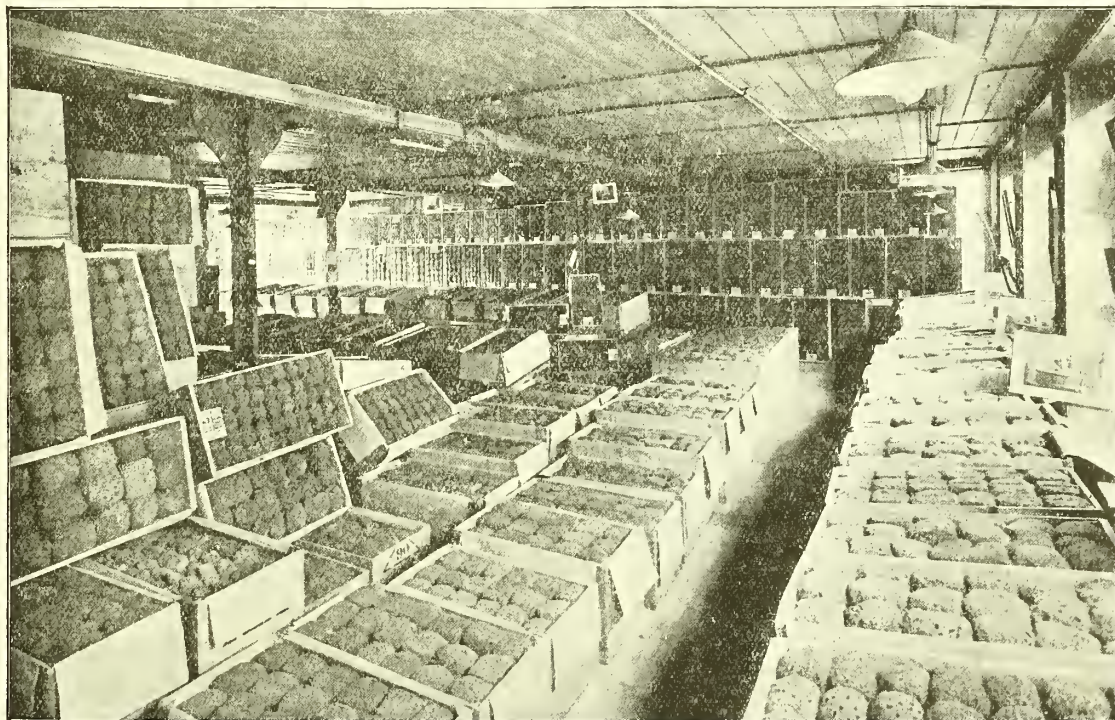
18 & 19 RED LION SQUARE, New Warehouses and Steam Bleacheries, 45½ EAGLE STREET, LONDON, W.C.

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Dr. Dralle's Birch Water

Celebrated Lotion for the Hair.

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No. 103 price 20/- doz. Retail ... 2/6
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" " Milan, 1905.

Wholesale:—
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*Charming
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DRALLE'S Lily of the Valley-Illusion. IN LIGHTHOUSE.

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A GENUINE
HAIR RESTORER.

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order
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Extremely
attractive
covers.

There is
money
in it.

Very
stylishly
put up.

In
three
colors.

Ready
sale.



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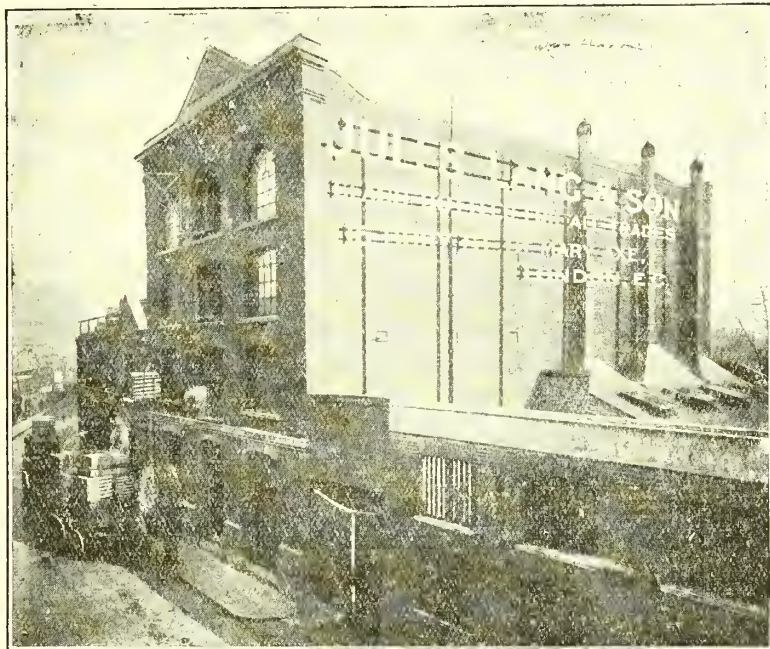
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Kalis, Glycerine, Lemon
Crystals, Limes, Medicals,
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Representatives will call on you by appointment.

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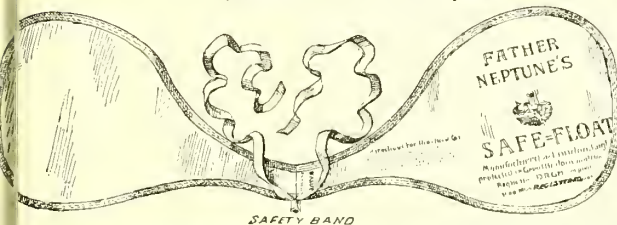
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The only ones fitted with
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USUAL DISCOUNTS.
ILKETTE, 10/6 .. COTTONETTE, 8/6

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Black Bull Works, CALEDONIAN MARKET, LONDON, N.

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Gold
Medal
Wine
Tonic



London.
1908.

DO YOU Stock it? It means quick **YOU**
sales and a steady profit if **DO**

SEND FOR LIST.

All Registered Chemists can sell Wincarnis
with Quinine without a licence. Why not you?

Medical men in your district order it often,
and there is a large public demand. [18]

By Special Appointment to the King & Queen of Spain.

COLEMAN & CO., LTD., 21 Wincarnis Works, NORWICH.

FAIRCHILD BROS. & FOSTER

'Panopepton'

In Refractory Cases

TO USE PANOPEPTON in a case that has been proving refractory to both treatment and management is often to bring about an immediate change for the better in all the conditions—especially where there has been difficulty in getting nourishment adapted to the taste and toleration of the patient.

PANOPEPTON is well designed to meet the essential desiderata of a food for the sick—in agreeability, assimilability, and substantial peculiar nutritive value.

PANOPEPTON presents, in a form ready for absorption, the entire nutritious substance of beef and wheat. It is a complete solution of all the nutrient, savory and stimulant nitrogenous and inorganic constituents of these typical foods.

PANOPEPTON is carefully standardised. The analysis gives 22% of soluble solids, with a "nutritive balance" of one of proteids to two of carbohydrates. There is absolutely no cane sugar in Panopepton, nor any chemical preservative.

In the class of cases where nutrition is low, in grave conditions, at "critical times," Panopepton proves peculiarly valuable.

PANOPEPTON may be used alone, gradually supplemented with other suitable foods, until finally ordinary forms of nourishment are again available.

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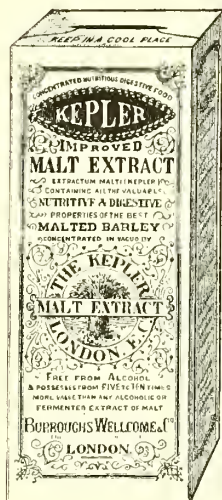


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MALT EXTRACT

THE STANDARD OF EXCELLENCE

Has been called the "marrow of malt."
The most extensively prescribed
on account of its dietetic value and
digestibility.



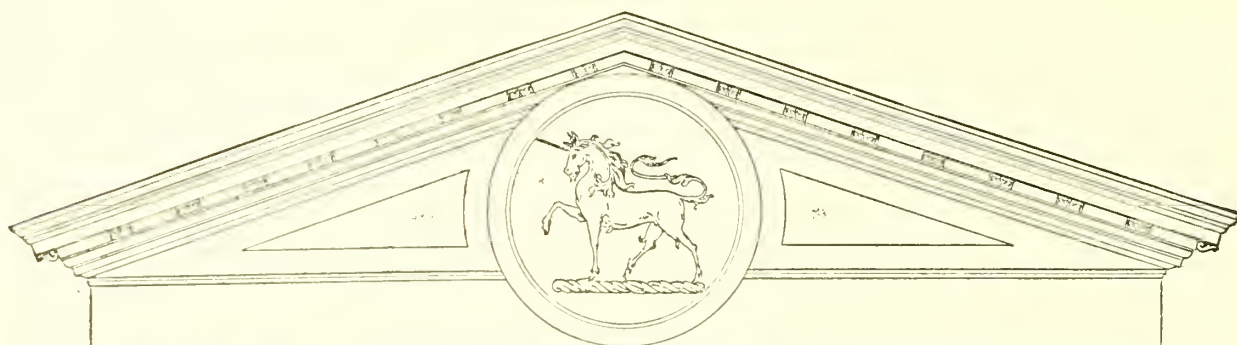
The favourite
with patients
because of its
delightful fla-
vour, stability,
and its con-
venient form of
packing.

Greatly Reduced

*Supplied in bottles of two sizes, at 22/- and 39/-
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TRADE MARK 'ALAXA' BRAND

AROMATIC LIQUEUR OF CASCARA SAGRADA

Prepared from finest selected true
Cascara Bark.

It has all the aroma and palatability of an elegant
liqueur.



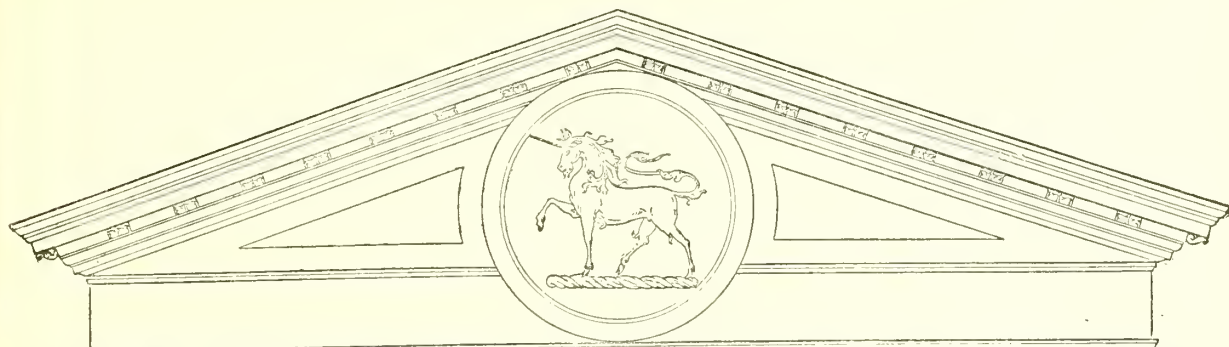
Embodies the nearest approach to the isolation of the active principle of Cascara Sagrada.

'Alaxa' neither ferments nor deposits
on keeping.

Supplied in bottles of 4 fl. oz. at 24/- per dozen.

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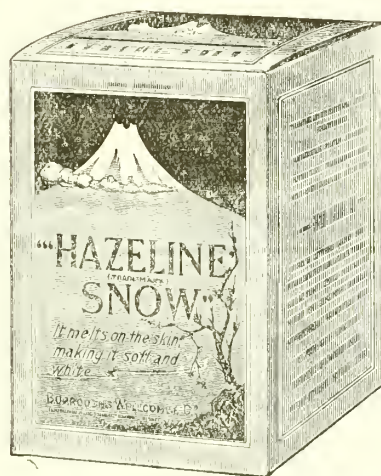


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In town or country and at the seaside the pharmacy window will be made profitable and attractive if “ ‘Hazeline’ Snow ” is prominently displayed.

With outdoor sports in full swing there is a great demand for this delightful skin balm.



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“ ‘Hazeline’ Snow ” attracts the best class of custom and keeps it.

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Branches: NEW YORK MONTREAL SYDNEY CAPE TOWN SHANGHAI

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"VASELINE" HAIR TONIC

Delicately perfumed, for preserving and restoring the strength, vitality and beauty of the hair. It will prevent dandruff and keep the scalp clean, sweet and healthful.

1/- size, 9/- doz.; 2/- size, 18/- doz.; 3/- size, 27/- doz.

The word "VASELINE" is the Registered TRADE MARK of the
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The *Lancet* describes it as

"Mr. Bengers' admirable preparation."

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INFANTS**



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ON THE P.A.T.A. SHOWCARDS & HANDBILLS ON APPLICATION.

The *British Medical Journal* says:

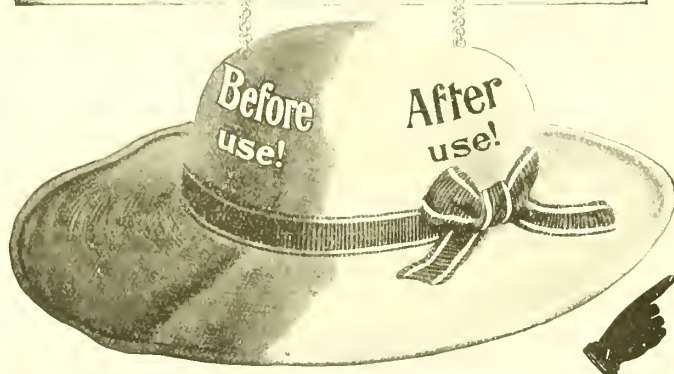
"Benger's Food has by its excellence established a reputation of its own."

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AND THE AGED.**

To wash straw and Panama hats
use only
Strobin
(registered)

"The hat is cleaned in a few minutes, dries quickly and looks like new. Strobin does not injure the fabric and does not make it hard."

One trial is sufficient to convince. Non-injurious.
After washing, the hat can be bent to any shape required.



A Remarkable Seller.

THIS STRIKING CARD
IN 8 COLOURS

FREE

with all orders for

STROBIN

The non-poisonous, non-injurious Hat Cleaner.

3 D. RETAIL.	<i>In decorated cartons.</i>		
	4/-	...	30 packets.
	7/6	...	60 packets.

TRY IT!!

Many sell over a dozen cartons during the season.

THOS. CHRISTY & CO
OLD SWAN LANE, LONDON, E.C.

THE CHEMIST & DRUGGIST

A WEEKLY JOURNAL
of
THE CHEMICAL AND DRUG TRADES
and of
BRITISH PHARMACISTS THROUGHOUT THE
EMPIRE.

FIFTIETH YEAR OF PUBLICATION.

No. 1530, Vol. 74.

NEW WORLD ISSUE.

May 22, 1909.

Published at the Head Office: 42 CANNON STREET, LONDON, E.C.

Branch Offices: Adelaide, Melbourne, and Sydney, Australia.

Subscription, 10s. per annum, including "The Chemists' and Druggists' Diary," post free to any port of the World.
Single copies of Winter and Summer Issues, 1s. post free. Ordinary issues, 4d.

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THE INSECT IDEA

has become very popular with advertisers in recent years. A growing number of firms appreciate the advantages derived from the valuable distribution of their illustrated catalogues, trade circulars, or price-lists as part of THE CHEMIST AND DRUGGIST. The next opportunity of distributing insets to twelve thousand potential buyers of chemists' supplies in this manner will be in the

Jubilee Number and Summer Issue.

to be published on July 31. Full particulars of charges for advertising in the Issue may be obtained from the Publisher, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.

MARKET ACTIVITY this week in a few special lines inspired the hope of better all-round business, but the general undercurrent of trading has not improved. Among chemicals, grey acetate of lime and copper sulphate are firm. Citric and tartaric acids are in seasonable demand, with an easy undertone. Otto-of-rose reports in regard to the new crop intimate limited damage by frost; and there are similar reports from the South of France in regard to neroli, etc. Drugs, apart from the auctions, present few changes. See p. 806.

Summary.

MR. D. B. DOTT communicates practical notes on the making of oleate and stearate of mercury (p. 785).

A UNIQUE ANNUAL REPORT to a local Chemists' Association is printed on p. 799. Are the circumstances as unique?

THE QUESTION as to how to treat travellers has brought us a large response in postcards, and a first instalment is printed on p. 782.

CHEMISTS who extract teeth are again appealed to by one of themselves who considers that their interests and rights are threatened (p. 810).

WE DESCRIBE a new process for the manufacture of shellac, which is remarkable because no change has occurred in the method for centuries (p. 784).

MORE SECTION 2 LICENCES are being granted than refused. This particularly applies to the South of Scotland. We report many discussions by local authorities (p. 801).

THE BRITISH PHARMACEUTICAL CONFERENCE will in July visit its birthplace, Newcastle-on-Tyne, and in this connection we give some historical notes and pictures (p. 778).

THE MEDICAL PRESCRIPTION question is further discussed this week. "Xrayser" on p. 781 and two Belfast correspondents mention several interesting points for consideration (p. 810).

THE SACCHARIN PATENTS which are valid in the United Kingdom were discussed in a High Court action instituted by the Saccharin Corporation, Ltd., and in the result the plaintiffs obtained their motion of injunction against the defendants (p. 774).

THE PHARMACEUTICAL COUNCIL ELECTION has resulted in the unseating of Dr. Charles Symes, of Liverpool, one of the oldest members of the Council, the re-election of five other retiring councillors, and the return of Mr. Neathercoat, of Weybridge (at the top of the poll), and Mr. Gibson, of Wolverhampton (p. 798).

THE DAILY PRESS continues to publish protests from chemists and others in regard to the difficulty of recoupment in the case of spirituous medicines. Hospitals also are feeling the matter rather severely, and it is understood that some joint representation is to be made to the Chancellor of the Exchequer on their behalf. We give the latest information from the House of Commons on p. 787. See also p. 784. In this connection statistics are required from retailers of the amount of rectified spirit they use annually. Post-card statements may be sent to the Editor.

THE ANNUAL MEETING of the Pharmaceutical Society of Great Britain was held in London on Wednesday, the members and their friends having dined together on the previous evening. Both affairs are fully reported in this issue, beginning on p. 788 with the dinner, which is illustrated with sketches. Wednesday's meeting was more animated and interesting than usual, but the various demands made upon the Council by members of the Society lead to the reflection that they do not distinguish between the Council's public duties under the Pharmacy and Poisons Acts and the Society's private work under the charter. This points the moral of the week, which is that in the near future the Council's public work will call for some differentiation. This is treated editorially on p. 782.

Corner for Students.

CONDUCTED BY LEONARD DOBBIN, PH.D.

Students, please note. All communications should be addressed to the Editor of "The Chemist and Druggist," 42 Cannon Street, London, E.C.

All communications and reports must bear the names and addresses of the writers, not necessarily for publication. The reports of those who ignore this rule are liable not to be dealt with.

QUALITATIVE ANALYSIS FOR JUNIOR STUDENTS.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, marked "Students' Corner" on top left-hand corner) will be received up to Tuesday, May 25, and the samples will be posted on the following day.

Students' reports will be received up to Saturday, June 5. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In the list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

SPECIAL NOTICE.—The prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, *which fact must be attested on their reports*. Others may obtain specimens of the mixture of salts, and their reports will be separately adjudicated, but they will be regarded as *hors concours*. Correspondents who do not state that they are preparing for a qualifying examination will be included in the latter list.

English News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Brevities.

Several Bolton chemists made special window displays in connection with the Bolton traders' shop-window display.

At Woolwich last week, a chemist giving the name of David Lewis was fined 7s., or seven days, for being drunk and disorderly.

Mr. G. M. F. Pitt, chemist and druggist, The Square, Barnstaple, has had the interior of his pharmacy practically remodelled and fitted in up-to-date style.

At Harwich on May 20, John Johnson, commission agent, Sheffield, was ordered to pay fines totalling over 50l., and costs, for smuggling 8 lb. of saccharin and 1 lb. of tobacco.

Mr. T. Stanley, chemist and druggist, 60 Blackburn Road, Accrington, on having a revolving shutter removed for repairs found a letter, containing a postal order, posted eight years ago.

At the quarterly meeting of the General Purposes Committee of the Federation of Grocers' Associations on May 13, it was stated by the Secretary that the Federation is preparing a booklet on the effect of the Poisons and Pharmacy Act.

On a quiet day last week there were to be seen aimlessly wandering through the streets of London three prominent officers of the Pharmaceutical Society (elected and paid). The indecision of their walk was occasionally arrested by their happening upon a pharmacy or a drug-store; then

they became interested in the contents, and anything of a documentary nature which cost a shilling or ten guineas restored their equanimity. It is understood that this was not a tour of inspection.

At the adjourned meeting of the Middlesex County Licensing Committee on May 15, the Justices granted an off wine-and-spirit licence to Mr. H. E. Clements, chemist and druggist, High Street, Hampton Hill, to be handed over when the alterations separating the wine business from the chemist's establishment were completed (*C. & D.*, May 8, p. 698). The proposed alterations will make it necessary for customers to go into the street to get from one shop to the other.

Analysts' Affairs.

The Berkshire analyst reports that the samples of glycerin, castor oil, and citrate of magnesia taken for analysis during last quarter were all genuine.

Among the samples submitted to the Staffordshire analyst during the past quarter were those of camphorated oil, cayenne, ginger, and olive oil, none of which were adulterated.

The Southampton county analyst returned the following samples analysed during the last quarter as genuine: Pepper, 5; citric acid, 3; cream of tartar, 2; arrowroot, 2; tincture of rhubarb, 1; milk of sulphur, 1; malt vinegar, 1.

The Poplar borough analyst during the last quarter certified the following samples as genuine: One sample each of vinegar, spirit of nitre, paregoric, lime-water, glycerin, compound liquorice powder, ammoniated tincture of quinine, and olive oil.

The Public Health Committee of the Southwark Borough Council recommend that, subject to the approval of the Local Government Board, Mr. Cyril Dickinson, B.Sc., F.I.C., be appointed analyst in the place of Dr. W. Scott-Tebb, resigned. The committee consider it unnecessary to advertise for applicants. The proposed salary is 300l. per annum, rising to 400l. by annual increments of 20l. Mr. R. P. Page, A.I.C., has been appointed principal assistant, and his salary increased from 120l. to 130l. per annum, rising to a maximum of 150l. by annual increments of 10l.

A Complimentary Concert.

The Crown Room at the Holborn Restaurant, London, W.C., was comfortably crowded on May 17 on the occasion of a complimentary Bohemian concert to Mr. Sidney Jamieson, under the auspices of the St. Vincent Association. The chair was occupied during the evening by Mr. George Back and Mr. Charles W. Martin (S. Maw, Son & Sons), and among the many commercial *confreres* in the company were Messrs. Harry Hickey and W. D. Astill (Parke, Davis & Co.), J. Royle (Ingram & Royle), E. F. Shackleford (Cresswell Bros.), A. R. Arrowsmith (Apollinaris Co.), S. H. Carr and W. Godden (Sangers), L. Reed (J. Timpson & Co.), W. Brown (Nestlé's), D. Bowie (Duncan, Flockhart & Co.), H. Winchcombe (Quelch & Co.), A. Proctor Atkinson, etc. All the London Chemists' Associations were also represented. Mr. Geo. Back, in giving the toast of the evening, "The Health and Prosperity of Mr. Jamieson," referred to the many services he had rendered in connection with musical functions in the drug-trade. Mr. Jamieson, during a brief reply, stated that every man at some time during his life was in a position of asking, "Who is my friend?" In his case it had been answered most effectively by their warm and sympathetic support. He had also received a number of sympathetic messages from friends unable to attend. Practically all of the thirty-two items on the programme were rendered. The artists included many well known in the London musical world, and it would be invidious to attempt comparisons, since all performed well.

American Gooseberry Mildew.

The Board of Agriculture and Fisheries have received information that the summer stage of American gooseberry mildew (*Spharotheca mors uræ*) appeared in a southern county on May 14. All gooseberry growers are advised to examine their bushes carefully, and those in infected areas should spray their bushes with a solution of liver of sulphur (1 lb. to 32 gals. of water). A leaflet describing the disease and giving directions for dealing with it can be obtained from the Secretary, Board of Agriculture and

Fisheries, 4 Whitehall Place, London, S.W., gratis and post free. Letters so addressed need not be stamped.

Poor-law Notes.

Mr. H. C. Thomas has been appointed as dispenser by the Guardians of the Wandsworth Union.

Mr. W. C. Hender has been appointed by the Guardians of the Plymouth Incorporation as dispenser at the Workhouse.

At the meeting of the Retford Board of Guardians on Saturday last Mr. T. L. Hollely, chemist and druggist, objected to the appointment of the medical officers as infant-life protection visitors under the Children Act without notice. After some discussion the appointments were confirmed.

Contracts.

Colwyn Bay Urban Council.—Jeyes' Sanitary Compounds Co., Ltd., for disinfectants.

Winchester Board of Guardians.—Mr. S. G. Bartlett, chemist and druggist, to be chemist for a year.

Weston-super-Mare.—Mr. Edwin Norman, Ph.C., appointed chemist to the Statutory Hospital for a year.

Yarmouth Guardians have decided to allow the drug contractor, Mr. T. J. Woodcock, chemist and druggist, to charge revised prices according to the May price-list, plus the extra duty on spirit.

Twickenham District Council.—Mr. A. Feather, chemist and druggist, for 240 galls. of disinfectant fluid (guaranteed carbolic efficiency, 5.0) at 1s. 4d. per gal. and a ton of disinfectant powder (guaranteed equal to 25 per cent. pure carbolic acid) at 5s. per ton.

Birmingham Notes.

Messrs. Marshall Brothers have secured the premier place of advertisement upon the Moseley and King's Heath tramway time-tables.

Sir Benjamin Stone, presiding at the annual meeting of the National Photographic Record Association at the Midland Grand Hotel, suggested a State-aided photographic department for the preparation of educational lantern slides.

A seaman was remanded at the Birmingham Police Court, on Monday, on a charge of doing wilful damage on Saturday night by breaking plate-glass windows of Messrs. Needhams and Mr. Reeve, chemists, New Street, by kicking them.

In his report for the first quarter of the year, Mr. J. F. Liverseege, F.I.C., Ph.C., city analyst, says the single sample of quinine sulphate pills analysed had been dispensed from a prescription which ordered each pill to contain five grains of pill of quinine sulphate. According to the Pharmacopœia, five grains should contain about four grains of quinine sulphate. The sample only contained 3.5 grains of quinine sulphate per pill, and the vendor was cautioned.

Sheffield Notes.

Councillor A. Russell Fox has been reappointed an Overseer of the township of Sheffield and Ecclesall for the ensuing year.

Messrs. Boots, Ltd., have opened their new premises at 55-57 Sing Hill, this branch having been transferred from Westbar, close by.

Mr. G. E. Scott-Smith, F.I.C., F.C.S., has been re-appointed public analyst for the city for twelve months from April 30, on the same terms as heretofore.

The quarterly report of the city analyst presented to the City Council at the meeting last week showed that 184 samples had been received and analysed during the quarter, five of these being cheese, two lard, one pepper, and two compound liquorice-powder; all ten of which proved to be genuine. Of nine samples of sweet nitre one was of inferior quality and another contained only two-thirds of the minimum proportion of ethyl nitrite required, while in addition it contained 2.21 per cent. of excess water. Eight samples of camphorated oil proved to be genuine. At the same meeting the analyst also presented his annual report, showing that 794 samples had been received under the Sale of Food and Drugs Acts and examined during the year. These included: arrowroot 1, ground ginger 4, compound

liquorice-powder 27, camphorated oil 27, sweet nitre 26. The analyst had also reported on one sample of infants' mixture received from the medical officer of health, one sample of sweets, and three of water.

Cricket.

Sheffield Chemists' Athletic Club.—The first match of the season on May 13 was on the home ground against the local Bankers' team. The Pharmacists, batting first, ran up a total of 138 runs for seven wickets before declaring, the chief scorers being Coates 56, Massey 20, and Lansdale 29 not out. The Bankers had scored 64 runs for one wicket, when the game had to be abandoned owing to rain.

Wine and Spirit Licences.

The West Sussex Licensing Committee on May 14, confirmed the wine licence granted by the Bognor Justices to Mr. Arthur Miller, chemist and druggist, West Street, Bognor, subject to medicated wines only being sold.

At Rochdale on May 14, the wine licence held by Mr. George Savile Dean, chemist and druggist, 144 Whitworth Road, was transferred to Mr. Samuel Hartley Cheetham. The latter gave an undertaking to sell only medicated wines.

"Medicated Wines."

Mr. R. St. G. Ross, public analyst for Burnley, in his annual report, states that:

A number of samples of port wine have been submitted for analysis, all of which were obtained from druggists, with a view to ascertaining whether they were medicated or not. They were, with one exception, ordinary non-medicated ports. As a result of this all licences granted to druggists at the last Borough Licensing Sessions carried with them an undertaking to sell only medicated wines. One sample, which is largely advertised as a tonic and commands a fair price, gave, on analysis, figures which point to its being an ordinary port wine. I presume that port wine may be considered by some authorities to be a tonic, but it seems to me that the advertisement is misleading, even if not intentionally so.

Suspected Belladonna Poisoning.

The inquiry into the death of Florence E. Gower, at Cambridge on May 14, was adjourned for analysis of the stomach contents. The symptoms of death were alleged to be consistent with belladonna poisoning. Mr. Henry Flanders, chemist, of 44 Mill Road, Cambridge, stated that of the three bottles found in the room, one, which was not labelled "Poison," was obtained from his pharmacy. It contained 2 drachms of belladonna liniment and 14 drachms of soap liniment. The bottle had probably been in the house a twelvemonth. It was not necessary to label such a liniment "Poison" prior to April 1 of this year. Dr. Graham was not prepared to say that belladonna poisoning was the cause of death. The father stated that deceased had just begun to take blood mixture, a bottle of which stood on the shelf beside the other containing the liniment.

Irish News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Poison-licences.

A deputation from the Council of the Pharmaceutical Society of Ireland, consisting of the President and Councillors Wells and Watson, waited on May 18 upon the Public Health Committee, to whom the Corporation of Dublin had referred the question of granting licences under the Poisons and Pharmacy Act, 1908. The deputation was courteously received, and having placed the views of the Society before the committee—specially mentioning the fact that there are already 102 "open shops" for the sale of poisons in the city of Dublin—the Chairman (Alderman Thomas Kelly) thanked the deputation for the information supplied, and stated that the same would receive careful consideration. It is interesting to note that the Society is fortunate in having two licentiates—Alderman Dr. McWalter and Councillor William McCarthy—in the Municipal Council.

Personal.

Dr. A. J. Barnes, member of the Pharmaceutical Society of Ireland, is one of the candidates for the Council of the Irish Medical Association. The ballot closes at the end of the present month.

Poor-law Reform.

The report of the Royal Commission on the Poor Laws and Relief of Distress, as far as it relates to Ireland, has now been issued. It is noted that "the medical dispensary system in Ireland is a more comprehensive system of medical relief for the poor than has existed hitherto in Great Britain." Among the recommendations in regard to medical relief are the following:

That the present dispensary medical service be a county service under the control of the Public Assistance Authority, and that the areas of the districts, where possible, be enlarged in view of present population.

That county infirmaries, workhouse, and other rate-aided hospitals be co-ordinated, and that medical relief generally be under the management of the Public Assistance Authority, and that a county ambulance system be established.

That a county medical superintendent officer of health be appointed, who shall also discharge the duties of bacteriologist.

Pharmacists' Trade Association.

A movement is on foot in Dublin to form an Association which can deal with trade questions that arise from time to time. A meeting is to be held on May 24 at 67 Lower Mount Street. Pending the formation of the Association, the following have agreed to act as a provisional committee: Messrs. A. J. Barnes (Hon. Secretary); Thomas Batt, Sandy-mount; George D. Beggs, Dalkey; J. I. Bernard (Price's Medical Hall); John Evans (Dawson Street); J. N. Hardy (Hoyte & Son); J. A. Mitchell (Hamilton, Long & Co., Ltd.); Sir Thomas W. Robinson (Hayes, Conyngham & Robinson, Ltd.); John Smith (President of the Pharmaceutical Society); C. A. J. Troughton (Butler & Co.); J. A. Walsh (J. J. Graham & Co.); D. M. Watson (South Great George's Street); and W. F. Wells (20 Upper Baginbun Street). A circular convening the meeting has been sent out to members of the trade.

Analyst's Report.

The quarterly report of the Belfast analyst (Mr. Robert Barklie) shows that during the three months he examined 354 samples, including fifteen of drugs. All the drug samples were pure, and fifteen of the others were found to be adulterated.

Linseed-meal as Cattle Food.

Messrs. A. & D. Porter, Victoria Street, Belfast, were summoned on May 13, under the Foodstuffs Adulteration Act, 1906, for having sold for a cattle food imported American ground linseed cake meal, which had been prepared otherwise than by being mixed, broken, ground, or chopped, and failing to give an invoice stating the name of the article and the percentages of oil and albuminoids. This was the first case under the Act, and the Magistrate dismissed it on the technical point that the consent of the Department of Agriculture to the prosecution had not been given till after the proceedings had been actually instituted.

Disinfectant Powders.

Last month the medical superintendent officer of Belfast, acting on the instructions of the Public Health Committee of the Corporation, forwarded samples of disinfectant powder as manufactured in the city refuse destructor and as purchased commercially to Professor Symmers, Pathologist of Queen's University, for examination. The professor reports that his rough tests point to the powders being of little efficacy. The city analyst, who analysed one of the powders, reported that the results showed carbolic acid 16.66 per cent. The medical officer has now been instructed to report what he would recommend to be used in place of these powders.

Guardians' Doings.

The Tobercurry Guardians have decided to send their orders for drugs to Mr. White, although he does not wish to carry out the contract.

The Sligo Guardians have accepted the contract of Messrs. Sumner & Co., Liverpool, for drugs. The L.G.B. refused to allow of the acceptance of Mr. Boyers' tender.

The Dromore West Guardians have received an unfavourable report from the analyst regarding a drug supplied to the Skreen Dispensary. The contractor is to be asked for an explanation.

The Tuam Guardians are informed by the medical officer that he urgently wants some surgical appliances, but there is a deadlock in regard to the acceptance of the contract by Mr. White. The Clerk said the dispute is a legal question pure and simple.

The Monaghan Board of Guardians have been informed by the Local Government Board that in deference to the Guardians' wishes, the Local Government Board will raise no objection to Messrs. Clarke & Co., wholesale druggists, Belfast, being declared the medicine contractors for the year, on the understanding that the Guardians will in future allow the contract to be by open competition.

Meeting of Creditors.

A meeting of the creditors of Mr. James Corcoran, pharmaceutical chemist, 76 Talbot Street, Dublin, was held on May 12. The accounts show net assets estimated to realise 130%, liabilities 1,115%, and claims of preferential creditors 65%. An offer of 5s. in the pound was made, but no resolution was passed. Debtor, who has been in business for seven years, attributes his present position to having lost money on contracts during the past twelve months. Among the creditors are: Boileau & Boyd, Dublin, 90%; Apothecaries' Hall, Dublin, 35%; McMaster, Hodgson & Co., Dublin, 30%; Southall Bros. & Barclay, Birmingham, 24% 5s.; Anglo-American Oil Co., Winchester, 24% 5s.; Burgoyne, Burbidges, London, 22%; Hayes, Conyngham & Robinson, Dublin, 20%; Lever Bros., Port Sunlight, 16% 5s.; John Durant & Co., Bristol, 14% 5s.; Electrolytic Alkali Co., Manchester, 12% 5s.; May, Roberts & Co., Dublin, 10% 10s.

Scots News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Aberdeen and the North.

Messrs. G. McGregor and J. Walker, chemists, Ellon, who were nominated for membership of Ellon School Board, have both withdrawn their candidature.

Claims against the late Mr. Adam Leslie Shand, chemist and druggist, 66 Holburn Street, Aberdeen, are to be lodged with Messrs. Mackenzie & Wilson, solicitors, 14 Crown Street, Aberdeen.

Dr. Angus Fraser has resigned his position as physician to the Aberdeen Royal Infirmary, after thirty-eight years' service. The directors have recorded their high appreciation of his invaluable services and have asked him to continue on the staff as a consulting physician.

Four cases of cerebro-spinal meningitis were registered in Aberdeen last month. One had died before notification, the remaining three were removed to the City Hospital, and have recovered or are in course of recovery, which may be due to early treatment with Flexner's serum, a quantity of which had been obtained direct from the Rockefeller Institute, New York.

Change is conspicuous in pharmaceutical circles in the city of Aberdeen at present. No fewer than three pharmacies are joining the removal through this term—viz., Mr. James Patton, who some time ago took over the shop occupied by Mr. James Sim, in Bridge Street, now removes to Urquhart Road; Mr. Robert Hunter removes to the opposite side of Union Street; and Mr. Chas. Simpson, Exchequer Row, whose pharmacy is one of the oldest in the city, removes to King Street. The business carried on by Mr. Henry Milne in King Street will shortly change hands, the new proprietor being Mr. Marshall K. Watt, from Singapore, who is a native of Aberdeenshire. Through death another pharmacy is in the market.

Edinburgh.

The employees and friends of Messrs. Gibson & Co., chemists, about fifty in number, visited Lanark on Victoria Day. Games occupied the early afternoon, a drive to the Falls of Clyde later, and music after tea rounded off an enjoyable day.

On Wednesday, May 19, the fittings, etc., in Messrs. J. & W. G. McCall's shop, Union Place, were sold. The drugs and photographic goods will be disposed of later, probably next week in a George Street auction-room. Poor prices were obtained. Half a dozen carboys, two large and four small, pear-shaped, were knocked down for 7s. A whole side of cases and their fittings fetched 2l. 5s., and the pharmacy clock went for 8s. The premises are no longer to be used as a pharmacy.

Edinburgh Pharmacy Athletic Club.

The eighteenth annual sports meeting will be held in the Royal Gymnasium grounds, Fettes Row, on Monday, June 7, at 6.30 P.M. In addition to several events confined to club members, the following are open to the trade: 100-yards handicap, half-mile handicap, tug-of-war, sack race, three-legged race, ladies' race, porters' race, message-boys' race. Entries close Monday, May 31. Entry-forms may be had from the Hon. Secretary, Mr. W. H. Chambers, 5 East Mayfield, Edinburgh.

Glasgow and the West.

The formation of an Assistant Pharmacists' Association in Glasgow is contemplated.

Whooping-cough is prevalent in Greenock at present. Last week thirty-six cases were reported and eleven deaths.

Mr. John Johnstone, chemist and druggist, Main Street, Coatbridge, has opened a branch pharmacy at Coatdyke.

Mr. Jas. Fisher, chemist and druggist, has been appointed manager of the business of Mr. T. F. Armstrong, 476 Cathcart Road, Govanhill.

The following chemists in Stirling intimate that during June, July, and August their places of business will be closed at 7 P.M. on each weekday except Saturdays:—Messrs. W. J. Moore & Son, Murray Place; John Raffan, 16 Port Street; J. Duncanson, 38 Port Street; F. Spite & Co., Ltd., 56 Port Street; J. A. Hogg, 79 Port Street; Walker & Skinner, 67 King Street; John Livingstone, Baker Street; John A. Gordon, Barnton Street.

Two local chemists have written to the Bothwell Parish Council drawing attention to the present condition of affairs, whereby the medicine for the poor is charged by the medical officer. It was complained that particular chemists got all the orders, and the writers suggest that the medicine-supply should be open to all the parish chemists and charged direct to the Council. The Council met on May 13, and remitted the matter to the Finance Committee for report.

Castor Oil as a Punishment.

At a meeting of the Cavers School Board on May 13, a statement was read from a teacher in reference to the alleged dosing of pupils with castor oil as a punishment (*C. & D.*, April 3, p. 518). She explained that a boy was "most aggravating" during a spelling lesson, and after he had repeatedly failed to spell the word "merrily," she wetted his lips with the oil. Another boy had confessed to swearing, and on the principle that little boys who "say nasty things" ought also to "taste nasty things," was given a sip of castor oil. The Clerk was instructed to write saying that the Board did not approve of this form of punishment.

French News.

(From the "C. & D." Paris Correspondent.)

DISPENSING FOR PAUPERS.—The dispensary of the Paris Municipality in the rue de Vaugirard is to be closed. The pharmacists of the arrondissement have been asked to supply the necessary medicaments to paupers 40 per cent. under the tariff prices of the Parisian Pharmacists' Association. Having held a meeting, they decided this was impossible, but offered to accept a reduction of 25 per cent. on the Association tariff. The General Association of French Pharmacists having passed a resolution in favour of allowing pauper patients to select their own pharmacist, it may be well to explain that the "free choice of doctor and pharmacist" is already granted to those receiving gratuitous medical relief in most French departments. "Local

option," however, exists in this matter, and some departments thus confined the choice of their pauper patients to a certain selected number of doctors and pharmacists. The relative advantages and disadvantages of the two systems were fully discussed in the Chamber of Deputies some time since.

COLOURING-SUBSTANCES.—A decree, fixing the colouring-substances permitted to be employed in the manufacture of liqueurs and syrups, has been issued in connection with the Adulteration Act of 1905. All vegetable colouring-matters are allowed except gamboge and monkshood flowers. The aniline colours authorised are as follows:

Pink.—Eosin, erythrosin, pink Bengal phloxin, Bordeaux reds, and acid fuchsin (free from arsenic).

Yellow.—Acid and golden yellow (sulpho-derivatives of naphthol).

Blue.—Lyons, Lumières, Couppier's blue.

Green.—Mixtures of above blues and yellows, malachite green.

Violet.—Paris violet or methylaniline.

A FUNERAL ORATION.—M. Jean Pougnet, pharmacist, publishes some brief obituary notices of the ancient remedies which were omitted from the last edition of the French Codex. Absinthe, he notes, was used by the Greeks and Romans as a tonic and febrifuge; the Egyptians employed the juice of acacia in eye-diseases. The Napele aconite was supposed by ancient poets to have been produced by the foam of the fangs of Cerberus, and was the principal ingredient of Medea's terrible poison. Ovid wrote:

Hujus in exitum miscet Medea quod olim
Attulerat secum Scythicis aconiton ab oris.

The *Polyphorus Fomentarius* is an ancient hæmostatic sung by the poet Delille:

Le puissant agaric qui du sang épanché
Arrête les ruisseaux, etc.

The priestesses of Ceres strewed her temple-floor with *Agnus Castus* for certain festivals, and slept on mattresses of this plant.

ASSISTANT PROFESSORS.—The jury of examination for the selection of two assistant professor at the Paris School of Pharmacy was composed of Professors Villiers, Gautier, Moureu, Lebeau, Fonze-Diacon, and Faveret, with M. Bouchardat as President. There were five candidates. No written paper was required, but each candidate was called upon to give a lecture of forty-five minutes on a given subject (chlorine, copper, sulphur, and arsenic, and their compounds) after three hours' preparation without notes or books, and a second lesson of one hour on diketones, metallic fluorides, chlorides, etc., after twenty-four hours' preparation. Each candidate had then to analyse a mixture containing phosphoric, arsenic, hydrochloric, and hydrobromic acids, bismuth, calcium, strontium, and sodium; and also a wine (which contained oxalic acid). Finally each of the candidates was required to argue the thesis of one of his four competitors. This long and severe test terminated by the choice of MM. Valeur and Bougault. The unsuccessful candidates were MM. Cousin, François, and Defacqz.

THE QUESTION OF COLLUSION.—The crusade commenced by the General Association of French Pharmacists against *compérage* (or collusion between medical men and pharmaceutical manufacturers, with the object of securing to the former a commission or profit on medicines prescribed) has called forth a reply from Dr. J. Noir, published in the "Bulletin des Syndicats Médicaux." This principally treats, however, of matters outside the real question. The usual accusations of counter-prescribing, substitution, etc., are duly resuscitated. Dr. Noir then asks if he will be guilty of *compérage* if he accepts the blocks of prescription-blanks offered by a manufacturing firm, or whether a well-known medicated-wine maker who distributes free samples to the medical profession, and publishes the portraits and testimonials of celebrities in album form, is to be boycotted for collusion. A trade-journal retorts that these open and above-board firms of business enterprises do not form the object against which the crusade is directed. *Compérage* is the secret acceptance by doctors of commissions and profits on articles prescribed—a practice which they themselves would hardly dare avow, and which is both difficult to trace and entirely reprehensible.

South African News.

(From the "C. & D." Correspondents.)

Note.—"The Chemist and Druggist" is regularly supplied by order to all the members of all the Pharmaceutical Societies in British South Africa, viz.:

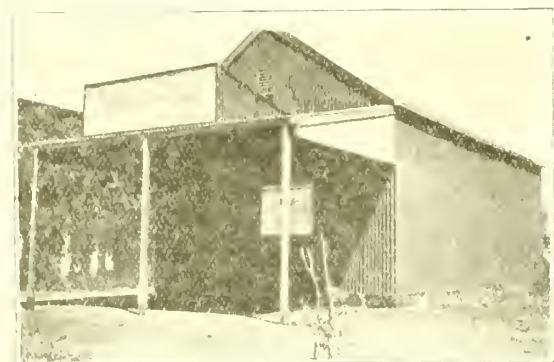
South African Pharmaceutical Association.
Pharmaceutical Society of Cape Colony.
Natal Pharmaceutical Society.
Transvaal Pharmaceutical Society.
Rhodesia Pharmaceutical Society.
Northern District Chemists' Association.
Pharmaceutical Society of Orange River Colony.

Cape Colony.

BRITISH v. FOREIGN TRADE.—The proportion of drugs and chemicals imported into British South Africa from the United Kingdom was 53.8 per cent. in 1908, while 34 per cent. is credited to Germany, and 5.9 per cent. to the United States of America. Of photographic material 69 per cent. was obtained from the United Kingdom, 20.3 per cent. from the United States of America, and 7.9 per cent. from Germany. The United Kingdom is credited with 72 per cent. of the sheep-dip imports and the United States of America with 15.7 per cent. Soap of all kinds was obtained from Great Britain to the extent of 93.8 per cent.

Southern Rhodesia.

OUR ILLUSTRATION shows a pharmacy recently opened by Messrs. J. Wragg & Co. at Hartley, Southern Rhodesia. The erection is obviously strictly for utilitarian purposes, while the absence of competition does not call for a window



display. Hartley, which is about eighty miles from Salisbury, the capital of Southern Rhodesia, is in the centre of a rising mining district a fact which augurs well for the continued existence in Hartley of this enterprising firm.

Orange River Colony.

O.R.C. MEDICAL AND PHARMACY COUNCIL.—The monthly meeting was held in Bloemfontein on April 16, when the following members were present: Dr. Ward (President), Drs. Bilwell, De Kock, Johnson, Pratt-Yule (M.O.H.), and Swift, Messrs. Redpath (dental member), Jeffreys and Dinwoodie (chemists). A reply received from the Attorney-General in reference to a recent application for registration as a chemist without production of diploma (*C. & D.*, April 17, p. 588), instructed the Council that the diploma must be produced before registration, unless satisfactory proof were given that it had been lost or destroyed. The Council instructed the Secretary to obtain two dispensing-counters for the use of candidates at examinations. Application having been made for all registrations effected by the Council to be published in the Government Gazette, a letter from the Colonial Secretary was read asking the reasons for this step. The Secretary was instructed to reply. The report of the sub-committee on Patent and proprietary medicines was then discussed. On the motion of Dr. de Kock, seconded by Dr. Johnson, it was decided to pass the report *in toto* and forward it to the Govern-

ment with letters received from the Medical Society and the Pharmaceutical Society giving reasons why the contained amendments were desired. A vote of thanks was accorded to the sub-committee for their work. Mr. Andrew McMurray, chemist and druggist, Great Britain, was registered as a chemist in the O.R.C.

Basutoland.

ALOEES IN BASUTOLAND.—Mr. Stafford S. Hewitt (Heynes, Mathew & Co., Bloemfontein), on returning from a holiday trip to Basutoland, reports that hundreds of aloe-plants grow in a lovely valley in the mountains. Inquiries made among the traders in the district indicate that no attempt has been made to develop an aloe-industry.

Canadian News.

(From the "C. & D." Correspondent.)

QUEBEC EXAMINATIONS.—At the Major and Minor examinations of the Pharmaceutical Association of Quebec twenty-five candidates presented themselves for the Major and twenty-nine for the Minor examinations. The following passed (in order of merit): Major,—Louis Lacrosse, Sylvid Choquette, J. A. E. Michon, and H. A. E. Walley. Minor.—A. H. Jasky (silver medallist), Leopold Moreau, Emile Bourbonnais, H. Courville, H. N. Holland, Chas. Albert, Paul Bergeron, J. E. Prevost, and Elz. St. Onge.

SHALE OIL.—Before the Senate Committee at Ottawa on April 29, Dr. Ellis, of the Geological Survey, stated that samples of New Brunswick shale had been taken to Scotland for treatment, and the manager of the works had declared that this is the biggest "gold-mine" that had been found anywhere. There is nothing so rich among the Scotch shales, which yield 30 to 40 gals. a ton, and the New Brunswick shale would produce from 60 to 110 gals. a ton. The shale district extends from Dorchester to Norton, a distance of seventy miles, and seven seams have been uncovered.

STORING SWEET NITRE.—Professor G. A. Evans, of the Ontario College of Pharmacy, in a recent lecture referred to the chief causes of deterioration in sweet spirit of nitre. These are dilution with water and exposure to air and light. The concentrated spirit, when diluted with water to bring it to the official strength and exposed to light and air, shows rapid decomposition of the ethyl nitrite, such being practically complete in the course of two or three days—a period of from twelve to fifteen hours being sufficient to reduce the strength by about 50 per cent. Bearing this in mind, pharmacists should give close attention to the proper methods of keeping this very unstable compound, the most satisfactory mode being to store it in small, well-filled amber-coloured bottles, tightly corked and kept in a dark place. Before corking, a few crystals of pure potassium bicarbonate should be added to prevent acidity. Freshly prepared sweet nitre contains more or less aldehyde. The tendency of this aldehyde is to oxidise to acetic acid, and the acetic acid in turn rapidly decomposes the ethyl nitrite. A demonstration in the use of the nitrometer was afterwards given.

AMERICAN TURPENTINE OPERATORS ARRAIGNED.—The American Naval Stores Trust, the prosecution of which by the U.S. Government has already been referred to in the *C. & D.*, is on its defence. It was in April 1908 that the jury found the defendants guilty of conspiracy on all counts, and at Savannah on May 7, 1909, E. S. Nash, the president, was examined at length. He declared that the formation of the American Naval Stores Co. had increased rather than stifled competition, that there were more dealers now than ever, and that the total number of dealers outside the American is forty. He said he had authorised the sale of resin and turpentine below the cost of production, and had bought them much in excess of the cost of production. The crop of naval stores in 1907 was 683,000 barrels of turpentine and 2,285,000 barrels of resin, the average price of turpentine being 53c., and of resin \$7.50 a round barrel. Several other defendants were examined, but the final verdict is not anticipated for some time.

American Notes.

(From the "C. & D." Correspondent.)

THE LATE ALBERT E. EBERT.—A handsome monument over the grave of this old pharmacist was dedicated in Chicago on May 21.

MISBRANDING SYNTHETIC FLAVOURS.—A firm of manufacturers in Kentucky has been found guilty of an offence under the Pure Food and Drugs Act, for labelling as "American Flavours: Vanilla," a solution of coumarin and vanillin.

ANTIDIPHTERITIC SERUM.—A Democratic Congressman has introduced in the special Session of Congress now being held a measure providing that the Government enter into the industrial manufacture of antidiphtheritic serum and supply the product to the medical profession at a price not exceeding 10 per cent. above the cost of production.

THE PHARMACISTS OF ILLINOIS, desiring to follow in the wake of New York, Pennsylvania, Wisconsin, and Hawaii, and make graduation in pharmacy compulsory on the part of future pharmacists, intended to secure the introduction of a Graduation Prerequisite Bill in the State Legislature, but the country druggists were opposed to this, and the Bill is not to be proceeded with for another year or two.

THE PRODUCTION OF DENATURED ALCOHOL seems to be steadily on the increase. In February it amounted to 231,000 gals. of the "completely denatured" product and 153,000 gals. of the "specially denatured" alcohol. This was far in advance of any figures theretofore yielded. The total consumption during 1908 was about 4,000,000 gals., and nearly double that amount has been predicted for 1909.

THE PRESCRIPTION.—The Philadelphia branch of the American Pharmaceutical Association has passed the following resolutions:

1. The prescription is an utterance of the prescriber, who alone should direct and control its employment. It should, whenever practicable, carry the name of the patient, and if a minor the age in years and the date when written.

2. The pharmacist who prepares the medicine should retain the prescription for reference as a record of his services and for a certain limited period, not less than five years, for the protection of the prescriber, himself, and his patient. The physician, when delivering the written prescription, should impress upon the patient that it is an order for medicine, subject to the following conditions and limitations.

3. The medicine prescribed should be supplied not more than once on the same prescription (1) if ordered by the prescriber "not to be repeated" (N. rep.); (2) if containing medicinal substances commonly called narcotics or habit-forming drugs; (3) if called for by some person known not to be the original holder thereof. (4) A declaration to this effect should appear on the prescription blank over the doctor's signature.

4. No copy of a prescription shall be furnished to the patient (1) if the physician has declared such prescription not renewable; (2) if it contains a narcotic or habit-forming drug. No such prescription should be copied upon the label. Where a copy of prescriptions is furnished it should be written on an especial blank, containing a declaration that it is a copy of a prescription which has been delivered to the original holder. The copy is made without recourse to possible error.

A WORDY BATTLE of some interest recently developed at a medical meeting in Philadelphia between Dr. Henry Leffman and Professor J. P. Remington, Chairman of the Revision Committee of the U.S.P. Dr. Leffman protested that pharmacists had "captured the Pharmacopœia," and that the physicians of the country no longer have an adequate voice in its revision and publication. Professor Remington replied that the Revision Committee was appointed by the decennial Pharmacopœial Convention (an elected body, for which physicians had an equal voice with pharmacists), and agreed that physicians ought to be represented to a greater extent in the work of revision, but he declared that all they had to do was to send delegates to the decennial Convention in Washington next year and look after their own interests.

How to Treat Travellers.

1. Traveller after traveller comes into the shop: the day is far advanced and not a stroke of your regular shop work has been touched. Is it polite or etiquette to tell a man, who you know may have come to the town specially to see you, that you cannot be seen?

2. You are working single-handed. A prescription is brought in and promised for fifteen minutes. Immediately a traveller walks in, and, seeing no customer in the shop, starts to talk and unpack samples. Is it the proper thing to tell the traveller that his presence is inconvenient, or to let the customer wait when the medicine is called for?

THESE problems were submitted by a C. & D. subscriber, and last week we offered a copy of "Pharmaceutical Formulas" for the most courteous method of treating travellers in the circumstances, and three copies of the "Chemists' Medical Dictionary" for other methods. We have received a large response in postcards, and print a selection from them. Others will be published in succeeding issues.

1. All depends upon whether the traveller has lines to show likely to be worth your while to see. If so and it is late in the day, the probability is he is staying in the town and would be pleased to call next morning. If no business is likely, by all means tell him so (politely) and let him go.

2. No traveller who has a chance of doing business would mind waiting a matter of ten minutes or calling again. By all means attend to the customer, who may need the prescription hastily.—D. URTS.



1. The up-to-date chemist cannot afford to deny himself to travellers, nor can a traveller afford to make himself a nuisance by taking up too much of his customer's time. See the traveller and his goods; make up your mind promptly. A man soon comes to know that when you say "No" it is no use pressing the point; and, after all, his time is perhaps as valuable as yours. The finest courtesy you can offer a traveller is to conduct your business with him as promptly as possible.

2. Tell the straight truth. "Good morning, Mr. Jones. I've a prescription to make up; keep me fifteen minutes. Have you another call locally? No? Well, just sit down until I'm ready, will you? Thanks." The traveller is used to being kept waiting, and won't mind: it's all in his day's expectations. The customer will not wait. He (or she) doesn't expect it.—J. S. SNELL.

Everything should stand aside for the work immediately on hand behind the counter. (1) If no order for traveller, there's no occasion for delay; say so kindly but firmly. If goods are required which require time to look over, fix time to suit yourself. I never yet knew a traveller object to this. (2) Dispense prescription by all means. Ask the traveller to excuse you for time required. If hint not taken, perfect silence on your part will effect the purpose. I try never to get cross with travellers.—D. G.

1. Make arrangements with your travellers to call on days that are usually quieter than the rest, before 12 o'clock noon. If a traveller of little experience persists in worrying you (no experienced agent will do so) when you have work to be done, go on with your business about the shop, answering him with polite syllables. He will soon learn and understand.

2. Call the traveller behind the dispensing counter. Then shake hands with him, give him a chair and the current C. & D., and ask him not to speak till you have finished the prescription. He will appreciate your courtesy and neat dispensing.—H. GLOVER.

(To be continued.)

Legal Reports.

Trade Law.

Returning Travellers' Samples.—In the City of London Court, on May 14, before his Honour Judge Rentoul, K.C., a claim was made by Lumley & Co., Ltd., 1 America Square, Minories, against Mr. F. N. Martinez, 246 Finchley Road, N.; to recover the sum of 7*l.* 4*s.* 3*d.*, the value of samples not returned by him. It seemed that the defendant was the agent in the West Indies for the plaintiffs for several years, and he took out samples on their behalf ten years ago. He had 25*l.* worth of samples entrusted to him and had returned goods to the value of 18*l.* They now sued for the balance. The defendant said the traveller could not be expected to return every sample, large and small, entrusted to him for ten years when he travelled in the West Indies. Judge Rentoul said he thought that the defendant could reasonably be expected to return large samples, but not the small ones, which could easily get lost or destroyed in the course of serving as samples during ten years. He would take a commonsense view of the matter, and he found for the plaintiff for 3*l.* and costs.

High Court Cases.

RAILWAY RATES.

SITTING in the High Court of Justice on Monday, May 17, the Railway and Canal Commission heard evidence in a dispute about railway rates between Messrs. Brunner, Mond & Co., Ltd., Warrington, Cheshire, and the Cheshire Lines Committee, the London and North-Western Railway Co., the Lancashire and Yorkshire Railway Co., and the Great Western Railway Co. It appeared that the applicants' works communicate with the Cheshire Lines Railway by means of private sidings belonging to the applicants, and by means of a branch of the Cheshire Lines Railway, 1½ mile long, which is used mainly for traffic to and from applicants' works. There is a station close to the works which is used solely for the applicants' traffic. Under agreements, the various sidings, some of which are on the railway company's land, are constructed by the railway company at Messrs. Brunner, Mond & Co.'s cost. In 1903, when the new railway rates came into operation, the Cheshire Lines Committee, like other railways, raised their rates, and disputes arose between the plaintiffs and the committee. Ultimately an agreement was come to by which applicants were allowed certain rebates. This worked very well for thirteen years, then in 1907 the railway company wrote stating that applicants' competitors were pressing respondents in respect of the rebates which were being allowed the applicant company, and examination had showed that they were getting an advantage of something like 850*l.* a year in respect of the agreement. They (the Lines Committee) proposed therefore to terminate the agreement. This was done, and the applicants were charged certain terminal charges at Warrington which they declared the company had no right to charge. Applicants therefore asked the Commission for a declaration that the lines in question had no right to charge these terminal rates because the sidings are their own, and further they asked for a rebate on those charges.

Mr. Balfour Browne, K.C., for the applicants, stated that the output of alkalies, soda ash, bicarbonate of soda, etc., from applicants' works amounted to 50,000 tons per annum, while there is an inwards traffic, mostly of coal, coke, and limestone of 500,000 tons per annum.

The case is proceeding day by day.

SACCHARIN PATENTS.

THE action by the Saccharin Corporation against the National Saccharin Co., Ltd., came before Mr. Justice Eve in the Chancery Division, on May 14, on a motion by the plaintiffs for an injunction to restrain the defendants from infringing certain patents with regard to the manufacture of saccharin. Mr. Walter, K.C., and Mr. Colefax were for the plaintiffs; Mr. Bousfield, K.C., and Mr. Owen for the defendants.

Mr. Colefax said the notice of motion was served upon the arrival in March last of eight casks of saccharin at Hull. The market value of this was at 1,500*l.* Since arrival two of the casks had been taken out of bond. The defendant

company had been quite recently formed, with a capital of 1,000*l.*; 205*l.* had up to date been subscribed, this being the subscription of two directors, one, Mr. Binnington, who had been an infringer in the past, and whom the plaintiffs had an injunction against. There was no statement from start to finish that the saccharin was made by one or other of the processes protected by the plaintiff's patents. So far as the plaintiffs' evidence went, it was this: that saccharin at the prices ruling at present—there is now a duty of 9*s.* 4*d.* a lb.—could not be made without infringing one or all the processes, and counsel then read affidavits of Dr. Passmore, Dr. Oberlander, Dr. Liebmann, Mr. Glassborow and Mr. Gates to that effect.

Mr. Bousfield read in reply affidavits by Dr. Otto Hehner, Dr. S. S. Cohen and Mr. Setton Jones. One stated that the witness knew the seven patents which had expired, and he said that saccharin could be and has been manufactured for many years for commercial purposes, and it has been open to the whole world to do so. It could be manufactured for commercial use without in any way infringing the patents, and the plaintiffs themselves were selling it in 1897 under the old expired patents at 20*s.* 6*d.* per lb.

Mr. Colefax, in reply, said that the defendants' evidence did not say that saccharin was not made in infringement of the patents. When the plaintiffs manufactured the saccharin in 1897 the duty was not imposed.

Mr. Walter said the plaintiffs' case was that saccharin under present conditions could only be made under three patents. The defendants simply called two or three technical gentlemen who were known in certain branches of industry and chemistry, and they said that in their belief the saccharin could be made.

Mr. Bousfield said he was quite willing to give an undertaking, not being able to get a guarantee, that the saccharin did not infringe patents. As regards the saccharin in bond at Hull, he was willing to undertake to have no further dealings with the firm that supplied it.

His Lordship suggested that counsel should consent to judgment in the action and let the plaintiffs start again.

Mr. Bousfield said he was not in a position to consent to that course, although he himself thought it best. As regards the saccharin in dispute, it looked as if defendants had made a mistake and they did not intend to go to the same firm again. The position, however, now was this. The patents having expired, everybody was free to use them. The plaintiffs now wanted to take up this position, that it was true that the manufacture of saccharin is open to the world, but they have got three more patents under which saccharin can be made more cheaply, and plaintiffs ask the Court to put upon anyone who sold it at their price the burden of proving how it was made. Counsel said they could now get saccharin with a guarantee that it did not infringe the patents. He suggested that the plaintiffs, now their patents had gone, were trying to keep up their monopoly, but it was perfectly obvious if the name of the firm who supplied the defendants now was given that the plaintiffs would make arrangements with them. Counsel did not know if the word "ring" was known to his Lordship. He read the guarantee which the defendants got with the saccharin. It set forth that "the saccharin contained in this case is made entirely in keeping with, and in accordance with, the processes set forth in the seven expired patents, and is not made by either of the three letters patent" (in this action).

Mr. Justice Eve: You rely on that at your own risk?—Yes; but I submit that we have a guarantee that does not infringe the patents. It was absurd, counsel said, for the plaintiffs to suppose that they knew what every firm on the Continent could do. The defendants were willing to undertake not to get any more from the same source, but only under guarantee and to keep an account.

His Lordship, in giving his decision, said that the defendants had not condescended to give any information to the Court as to the source from where the saccharin was obtained. Under the circumstances he would draw his own inference. Upon the materials before him it was inevitable that the injunction must be granted on the ground that there was a *prima facie* case. With regard to the guarantees, the defendants got guarantees which, on the face, appeared to be genuine, but the plaintiffs said, "You elect to rely on the guarantees, but you must do so at your own risk of dis-

obeying the order." He would grant an interim injunction in the terms of the order. In reply to Mr. Walter, his Lordship said if the defendants chose to send the saccharin in bond out of the realm he did not think that would infringe the order.

Mr. Walter said that if they did he would move against them.

The interim injunction was therefore granted.

BETTS' CAPSULES.

IN the Chancery Division on May 14, Mr. Justice Eve refused (pending trial of the action), in the case of *Betts v. Macnaughton* and another, to grant an injunction to restrain Mr. A. H. Macnaughton and Mr. L. D. Ryder from acting as directors in the firm of Messrs. Betts & Co., capsule-manufacturers. The point was whether sufficient notice was given of a meeting at which the defendants were elected.

Sale of Food and Drugs Acts.

MUSTARD.

AT Newcastle-on-Tyne on May 11, Fredk. Wm. Gallon, provision-merchant, Leeds, was summoned for selling a quantity of mustard, in three penny tins, certified to be adulterated with 30 per cent. of wheat flour. The correctness of the analysis was admitted, but it was contended that the wording of the label was a sufficient notice to the purchaser that the contents of the tin were a mixture. The wording was: "This mustard compound is a condiment free from any injurious ingredient." The Bench dismissed the summons, allowing three guineas costs.

FLUID MAGNESIA.

AT the Kensington Petty Sessions on May 18, Bruce, Ltd., 28 The Broadway, Ealing, were summoned, under Section 6 of the 1875 Act, for selling fluid magnesia which was certified by the public analyst to be 79.3 per cent. deficient in magnesium carbonate. Mr. Chambers Leete appeared for the Kensington Borough Council, who prosecuted, and Mr. C. H. Kirby (Neve, Beck & Kirby) defended on behalf of the Chemists' Defence Association.

Inspector Thomas Cutting proved the purchase, and in reply to Mr. Kirby said he had not taken any samples from defendants' premises before. Mr. Chambers Leete stated that hitherto there had been a clean record with regard to this firm.

Mr. Kirby admitted the offence, and pointed out that fluid magnesia is one of those unstable compounds always a source of difficulty to the chemist. Magnesium carbonate could only be kept in a proper state by the presence of carbonic-acid gas, and any diminution of the pressure would result in the magnesium carbonate assuming more or less a solid form. He produced a bottle, and pointed out to the Bench a deposit at the bottom of the bottle. He added that if the contents of the bottle were poured off the purchaser would not get his proper quantity of magnesium carbonate. When it came to the defendants it was of full strength, and the instructions of Mr. Strickland, the proprietor of the business, were that as soon as a jar was opened it was to be drawn off into six bottles and securely corked and placed in a dark case. If those instructions had been carried out there would have been no case in that Court that day. The assistant who had sold the article was not now in the employ of the firm, and it was not likely that such a stupid thing would occur again.

The Chairman (Colonel Webb): You should be more careful. The public suffer. You will be fined 20s., and will pay the analyst's fee.

Dentists Act.

"EXPERT ADAPTER OF TEETH."

IN the Dublin Northern Police Court on May 18, before Divisional Magistrate Mahony, two summonses against Mr. J. Byrne, 36 Talbot Street, Dublin, adjourned from last week (see *C. & D.*, May 15, p. 742) were heard. The complainant was Mr. D. L. Rogers, Hon. Secretary of the Irish Branch of the British Dental Association, and the alleged offence was that on April 2, 1909, the defendant, who is not registered under the Act nor is a legally qualified medical practitioner, did take and use a certain title, addition, or description, viz.:

Consult Mr. Byrne, the world's expert adapter of teeth.

He tenders you original advice on the treatment required through his vast experience of twenty-five years abroad. Decayed teeth infallibly treated by Nature's own remedy; shattered health restored; all patrons delighted; consultations free; hours, 9 till 7. Metropolitan address, 36 Talbot Street. N.B.—Letter appointments specially attended to.

And also the following:

Are you wanting artificial teeth, or a misfitting case remade? Then come to me. I guarantee my work for life. Instalments taken. Fittings with gold or any of the fifteen amalgams, all one fee, 2s. 6d. Extractions (by my great secret method) without gas, cocaine, or other drugs; one fee only, 1s. Mr. Byrne, 36 Talbot Street.

It was submitted that this infringed Section 3 of the Act. In a second summons the defendant was charged with having on April 26 taken and used the title, addition, or description:

Mr. Byrne, the world's expert adapter of teeth; extractions 1s., on my own special system; painless and bloodless; attendance 9 till 7.

Mr. Bradley (of Messrs. W. G. Bradley & Son, solicitors) appeared to prosecute, and Mr. Alfred Coffey, B.L. (instructed by Mr. John Gore, solicitor), defended.

Mr. Bradley, in stating the case for the prosecution, said with regard to the first summons he would prove that the defendant had advertised in the "Dublin Evening Mail" as quoted above, and counsel quoted the English High Court decision in *Barnes v. Brown*. He asked the other side if they were going to admit the offences.

Mr. Coffey: I'll admit nothing.

Patrick O'Brien, advertisement canvasser for the "Evening Mail," then gave evidence as to getting the advertisement from the defendant, but when asked by Mr. Coffey for the "copy" stated to have been written by the defendant could not produce it. He swore, however, that the advertisement was identical with the "copy." Mr. Giltrop, a law clerk, also gave evidence in support of Mr. Bradley's statement, whereupon the latter submitted that he had proved his case.

Mr. Coffey said there was no evidence given to support either of the summonses. His client denied that he said to Mr. Giltrop that he was Mr. Byrne the dentist. Counsel quoted a number of cases which, he alleged, bore out his contention—that the defendant here did not proclaim himself in any way as a fully qualified dentist.

Mr. Mahony: Do you suggest that the advertisement in the "Evening Mail" means that he is a quack?—Mr. Coffey: It might go that far.

Mr. Mahony: That is the only charitable construction that you could put on it from a legal point of view. You have no defence at all. You cannot make bricks without straw. . . .

Mr. Mahony: I will impose a fine of 5*l.*, and costs, on each of the summonses.

Mr. Coffey asked to have the fine reduced, but the Magistrate refused, and gave three guineas costs to cover the two cases.

Mr. Coffey subsequently stated that he would carry the case into the Court of King's Bench.

Bankruptcy Report.

Re G. S. V. WILLS, 402 Clapham Road, London.—The first meeting of the creditors was held at 132 York Road, Westminster Bridge, S.E., on May 13, the Official Receiver (Mr. H. L. Howell) presiding. The statement of accounts filed showed gross liabilities 1,786*l.* 10*s.* 7*d.*, of which 356*l.* 10*s.* 7*d.* was unsecured, and no assets. There were fully secured creditors for 700*l.*, the security being valued at 900*l.*, and there was also a partly secured creditor for 408*l.* 8*s.*, the security being valued at 200*l.* The present difficulties are in connection with a chemist's business which debtor opened at the Market, South Croydon, in 1899, the cost of the fittings and stock amounting to 800*l.*, on which he lost about 1,200*l.* He executed an assignment in 1906, and in April 1908 the Westminster College went into voluntary liquidation. His wife then took some rooms in order to keep the pupils together, and in July last she opened the present college, debtor acting as her manager. It was decided that the matter should remain with the Official Receiver as trustee.

Deed of Arrangement.

BLACKBURN, SYDNEY RICHARD, The Leages and Busty Bank, Burnopfield, Durham, Chemist and Druggist and Provision-dealer.—Trustee, J. Kindred, 116 Pilgrim Street, Newcastle-on-Tyne. Dated May 5; filed May 12. Secured creditors, 925/.; liabilities unsecured, 823/.; estimated net assets, 1,300/.. Among the creditors are: Hirst, Brooke & Hirst, Ltd., Leeds (18/.); W. Simcock, Ltd., Leeds (18/.); J. Ismay & Sons, Ltd., Newcastle (125/.); Wilkinson & Simpson, Newcastle (13/.); Hall, Forster & Co., Ltd., Newcastle (12/.).

Gazette.

Partnerships Dissolved.

BURGESS, P. C., and PINNIGER, A. E., physicians, etc., Margate and Broadstairs, Kent, under the style of Burgess & Pinniger.

COATES, H. V., and FENWICK, T. H., under the style of Farrar & Co., Porth, Glam., manufacturers of artificial teeth.

PARRY, R., and EVANS, J., under the style of Parry & Evans, Carnarvon, physicians and surgeons.

PRICHARD, T. H., and RIDING, F., mineral water manufacturers, Abertillery, Mon., under the style of Prichard & Riding.

New Companies and Company News.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

J. W. DOUGLAS, LTD. (P.C.).—Capital 3,000/., in 1/ shares. Objects: To take over from J. W. Douglas the businesses of wholesale and retail druggists and chemists carried on at 164 Lambeth Walk and 73 Newington Butts, S.E. J. W. Douglas is permanent director. Remuneration (except managing director), 50/ per annum, divisible.

THOMAS MCCULLY & CO., LTD. (P.C.).—Registered in Dublin. Capital 1,000/., in 1/ shares. Objects: To acquire and carry on the business of a wholesale and retail druggist and merchant carried on by F. W. McCully, as the Victoria Drug Hall, in Londonderry. The first subscribers and directors are F. W. McCully and T. A. McCully. R.O., 1 Victoria Road, Londonderry.

SHAND BROS., LTD. Registered in Edinburgh. Capital 5,600/., in 1/ shares. Objects: To acquire and carry on the business of chemical manufacturers and drysalers carried on by Shand Bros. in Glasgow, Manchester, and Cumberland. The first directors are T. V. Shand, J. B. Shand, and F. Shand. Qualification, 500/. R.O., 20 Renfrew Street, Glasgow.

SALADIN & CO., LTD. (P.C.).—Capital 1,000/., in 1/ shares. Objects: To acquire the right to manufacture and deal in certain medicinal preparations known as "Saladin," and to carry on the business of manufacturers of and dealers in medicines and medical preparations and drugs, etc. The first directors are J. H. Elce, W. Wallace, and A. Donnelly. R.O., 6 Post Office Avenue, Southport.

BEAUFORT INSTITUTE, LTD. (P.C.). Capital 100/., in 1/ shares. Objects: To carry on the business of manufacturers and adaptors of artificial teeth and plates, restorers and fillers of teeth, etc. The first subscribers are: J. E. Thorne, 70 Broomwood Road, Battersea, dental assistant; J. C. Baldwin, 18 Crompton Road, Parsons Green, dental assistant; and A. M. Lee, 46 Round Hill Road, Kettering, shoe mercer. Registered office, 3 Browns Road, Surbiton Hill, Surrey.

MAY, ROBERTS & CO., LTD. (P.C.).—Capital 60,000/., in 1/ shares. Objects: To acquire the business carried on by S. Roberts at 7, 9, and 11 Clerkenwell Road, E.C., and 16 Westmoreland Street, Dublin, as May, Roberts & Co., and to carry on the business of druggists' sundriesmen, chemists, druggists, drysalers, opticians, etc. The first subscribers are S. Roberts, druggists' sundriesman, and W. C. Stewart, druggists' sundriesman. S. Roberts is one of the first directors, and may retain office while holding 1,000 shares. Qualification of ordinary directors, 500 ordinary shares. Registered office, 9 Clerkenwell Road, E.C.

INFANTENE, LTD. (P.C.).—Capital 1,000/., in 1/ shares. Objects: To adopt an agreement with A. Nicholas for the acquisition of his interest in the teething and stomach mixture known

as "Infantene," and to carry on the business of manufacturers of proprietary medicines, drugs, chemicals, patent medicines, and surgical instruments and appliances, etc. The first subscribers are A. Nicholas, 83 Bridge Street, Manchester, accountant; Mrs. M. Patterson, St. Annes-on-the-Sea; and Miss E. Crossley, 65 Bury New Road, Bolton. Registered office, 83 Bridge Street, Manchester.

BRITISH HOMŒOPATHIC ASSOCIATION (INCORPORATED).—With an unlimited number of members, each liable for 10s. in the event of winding up. Objects: To take over the assets and liabilities of the unincorporated association known as the British Homœopathic Association (established in 1902). The subscribers are: Lord Donoughmore, 5 Chesterfield Gardens, W.; Lord Cawdor, 7 Princes Gardens, S.W.; Sir George W. Truscott, Kt., Mansion House, London, E.C.; E. F. Duncannon, Nutwood, Bickley Park, Kent, architect; C. E. Wheeler, 5 Devonshire Street, Portland Place, W., physician; G. H. Burford, 35 Queen Anne Street, Cavendish Square, W., physician; and D. D. Wright, Bentinck Mansions, Bentinck Street, W., surgeon. The management is vested in a council. R.O., Chalmers House, 43 Russell Square, W.C.

CASTNER-KELLNER ALKALI, LTD.—The directors announce an interim dividend at the rate of 10 per cent. per annum for the six months ended March 31.

BRUNNER, MOND & CO., LTD.—The directors recommend a dividend for the half-year ended March 31 at the rate of 30 per cent. (making 27½ per cent. for the year), free of income-tax, placing to reserve 100,000/., and carrying forward 37,000/. Last year the company paid 30 per cent. and placed 100,000/ to reserve, carrying forward 35,000/.

BENGER'S FOOD, LTD.—The annual meeting was held at Manchester on May 14, when the report (*C. & D.*, May 8, p. 726) was adopted. The Chairman (Mr. H. W. Kearns) pointed out that owing to a continuance of higher prices of raw materials a diminution of profits must be anticipated in the present year. Mr. A. H. Barlow said they would be feeling the increase in the duty on spirit and the income-tax shortly, but they had a good reserve and no bad debts during the last three years. Mr. Barlow and Mr. A. E. H. Blackburn were elected directors, the latter to fill a vacancy on the board.

JAVA CINCHONA DIVIDEND.—The report of the Tjikapoendang Agricultural Co., Ltd., for 1908 states that the production of cinchona was 875,887 kilos, wet and 364,847 kilos, dry, against 840,547 kilos, and 355,752 kilos, in 1907. The quantity of quinine was 61.06 kilos, per bouw of 889 kilos., against 57.41 kilos, per bouw of 868 kilos, in 1907. The crop was sold at a value of 149,662fl., less charges for the working 17,056fl., leaving 132,605fl. The average unit was 3½c., against 4.06c. in 1907 and 5.02c. in 1906. The decline in the market made further progress in 1908, the close being 3.13c. The prospects are far from brilliant, and several reserves are necessary, so that after deduction of same there is an amount of 93,125fl. available for distribution among shareholders, who receive a dividend of 18½ per cent.

W. J. BUSH & CO., LTD.—At the annual meeting held on May 13 at the Institute of Chartered Accountants, Moorgate Street, E.C., Mr. James Mortimer Bush (managing director), in moving the adoption of the report (*C. & D.*, May 15, p. 744), said that the turnover was somewhat less than in the previous year, and the continued depreciation in the value of many of the articles dealt in, obliged the company to sell stocks at less than normal profit. Notwithstanding these adverse conditions a substantial profit had been made. Referring to the earthquake, the Chairman said that fortunately the Messrs. Sofio, their old friends and representatives in Messina, were not in the city on that fatal night, but were actually on their way there when the earthquake took place. The company's factory, situated a few miles from Messina, received a certain amount of damage, which would in all probability have been more serious had it not been a single-storey building. The bulk of goods ready for shipment was lying in the warehouses of Messrs. Sofio, which were destroyed, but the greater part has been since recovered by excavation. The report was adopted and Mr. C. S. Taylor was elected a director in the place of the late Mr. Alexander Bush.

MORTGAGES AND CHARGES.—The following have been filed at Somerset House: *T. S. Blunt, Ltd.* Deposit on April 20 of deeds of premises at Coventry, to secure all moneys due or to become due to the United Counties Bank, Ltd., Coventry.—*H. W. Carter & Co., Ltd.* Issue of 3,000/., part of 20,000/ debentures created October 4, 1898.—*Rivers Hill & Co., Ltd.* Memorandum of satisfaction in full on February 13, 1909, of a charge dated May 28, 1908, securing 1,000/.—*Orbic Soap Co., Ltd.*—First mortgage debenture dated April 30, 1909, to secure 6,600/. Holder: W. H. Greenwood, Summerfield, Idle, Bradford.

Births.

GOLDSWORTHY.—At 192 Fulham Road, South Kensington, on May 15, the wife of G. H. Goldsworthy, chemist and druggist, of a daughter.

HUNTER.—At 15 Carlton Place, Aberdeen, on May 12, the wife of Robert Hunter, chemist, of a son.

LAMBERT.—At "Clandene," Staines, on May 9, the wife of Robert Lambert, 14 Mincing Lane, E.C., of a daughter.

MILLER.—At Funchal, Old Bath Road, Cheltenham, on May 13, the wife of Harold Miller, pharmacist, of a daughter.

PENMAN.—At Maryfield, Johnstone, on May 19, May, the wife of David Penman, chemist, of a daughter.

PICKFORD.—At 194 Holland Park Avenue, London, W., on May 14, the wife of Arthur F. Pickford, chemist and druggist, of a son.

SAMPSON.—At the Cleveland Pharmacy, Bath, on May 12, the wife of J. W. Sampson, pharmaceutical chemist, of a son.

Marriages.

HEAP-BEDDALL.—At St. Mary's Parish Church, Alsager, on May 12, by the Rev. F. Taylor, Robert Edwin Heap, chemist and druggist, Hanley, youngest son of the late Mr. T. P. Heap, Alsager, to Sarah Elizabeth, only daughter of Mr. J. Beddall, The Fields, Alsager.

TAYLOR-CLARKE.—At Furrour Cross Congregational Church, on May 12, John Taylor, J.P., C.C., chemist, ex-Mayor of Torquay, to Mrs. Lucy Clarke, widow of the late Mr. Calah Clarke, and daughter of Mr. G. Moore, of Allan Bank, Falkland Road, Torquay.

Deaths.

CASTELL-EVANS.—At 4 Ranelagh Gardens, Ilford, on May 13, from heart-disease, Mr. John Castell-Evans, F.I.C., F.C.S., aged sixty-four. Mr. Castell-Evans, who was originally a schoolmaster in Montgomeryshire, accepted a post as student-demonstrator in the Royal School of Mines, in company with Professor Armstrong, and left there to join the Finsbury Technical College of the City and Guilds of London Institute on its inception, eventually becoming senior demonstrator. Although he was not well known in pharmaceutical circles, one of his sons, Mr. J. Castell-Evans, junior, is in the service of Messrs. R. Hovenden & Sons, and was formerly employed by Messrs. Hopkin & Williams. Among the deceased gentleman's former students who are now well known in pharmaceutical circles may be mentioned Drs. M. O. Forster and O. A. Silberrad, Messrs. Bernard Howard, Chas. Tyrer, E. J. Parry, W. Partridge, Martin Priest, F. H. Carr, T. Brewis, and the late Lloyd Williams. Mr. Castell-Evans specialised in metallurgical and gas analysis, and his principal published work was on "Physico-chemical Constants." The funeral took place at Ilford, when Professor Silvanus Thompson, the deceased's fellow-demonstrators (Messrs. F. W. Streatfield, L. H. Berry, and T. H. Norris), and the students of the College attended. A wreath was sent by each department of the College and also one from the staff.

EVERATT.—On May 8, Mr. Tom Everatt, Belton, Yorks, aged twenty-six. Deceased served an apprenticeship to a Heckmondwike chemist, and had passed the Preliminary examination.

FRANKLIN.—At Rothamstead, Tuffley Avenue, Gloucester, on May 9, Mr. James Franklin, chemist and druggist, aged seventy. Mr. Franklin took over the business of the late Mr. Baines at 93 Southgate Street, Gloucester, in 1862.

MORRIS.—On May 13, Mr. Morris Evans Morris, chemist and druggist, 3 High Street, Portmadoc, Carnarvonshire, aged seventy-seven. Mr. Morris, who was the son of the first harbour-master in Portmadoc, commenced business in his native town. He served on the Board of Guardians for some years, and was a trustee of a local church. Four children are left to mourn his loss.

PRIOR.—At Brighton, on May 15, after a long and painful illness, Mr. William Prior, aged fifty-four years. Mr. Prior was with Messrs. Arthur H. Cox & Co., Ltd., pill and tablet manufacturers, Brighton, for over thirty years, and since the business was converted into a company he filled the official position of secretary. He was well known to many in the trade, especially to commercial travellers and other visitors to Messrs. Cox & Co.'s factory, and his courtesy, clear judgment, and kindly manner endeared him to all.

SHORTHOUSE.—At her residence, Lansdowne, Wellington Road, Edgbaston, on May 9, after a few hours' illness, Sarah, widow of J. Henry Shorthouse, aged seventy-seven years.

WHARRAM.—At Leeds, on May 14, Mr. Thomas Bernard Wharram, chemist and druggist, aged thirty-four. Mr. Wharram, who was a member of the firm of Messrs. W. A. Wharram, Ltd., had an attack of vertigo while walking along New Briggate. He was removed to a neighbouring furnishing establishment and died shortly after the arrival of a physician. Mr. Wharram was of a retiring disposition, and although a member of the Leeds Chemists' Association he never took an active part in its affairs. The funeral took place at Naburn Church on May 17.

YATES.—On May 12, Mr. Ebenezer Yates, chemist and druggist, 150 Chorley Road, Swinton, Lancs, aged fifty-three. Mr. Yates, who was predeceased by his wife only nine weeks ago, died from pneumonia after a brief illness. He was in business at Swinton for some thirty-two years after taking over the business of the late S. C. Sagar, to whom he was apprenticed. Mr. Yates was a founder and first President of the local Tradesmen's Association and for several years was vicar's warden of St. Peter's Church, Swinton. He leaves three sons.

Recent Wills.

The dates in parentheses refer to the issues of "The Chemist and Druggist" in which the deaths of the testators were reported.

MR. WILLIAM DEARDEN. Southport, chemist and druggist, left estate valued at 2,369*l.* 6*s.* 2*d.* gross, with net personality 2,297*l.* 4*s.* 6*d.* (*C. & D.*, March 13, p. 401.)

MR. WILLIAM GEORGE HATTERSLEY. West India Dock Road, Limehouse, E., chemist and druggist, left estate valued at 129*l.* 12*s.* gross. (*C. & D.*, March 20, p. 453.)

ALDERMAN GEORGE PECK. 8 St. Paul's Road, Cambridge, chemist and druggist, left estate valued at 3,365*l.* 18*s.* 9*d.* gross, with net personality 1,674*l.* 19*s.* 4*d.* (*C. & D.*, April 10, p. 556.)

MR. JOHN HATTON. of 34 Leinster Gardens, Runcorn, Chester, chemist and druggist, formerly in business at Warrington, left estate valued at 69*l.* 10*s.* 11*d.* gross (*C. & D.*, April 24, p. 645).

MR. THEOPHILUS HORNE REDWOOD. F.I.C., F.C.S., St. Leonard's-on-Sea, analytical chemist, left estate of the gross value of 17,137*l.* 6*s.* 2*d.*, of which the net personality has been sworn at 17,000*l.* 0*s.* 5*d.* (*C. & D.*, April 10, p. 556.)

MR. EDWARD DUNKLEY. of Court Lodge, Frant, Sussex, and of 55 High Street, Tunbridge Wells, Kent, pharmaceutical chemist and farmer, left estate of the gross value of 8,416*l.* 7*s.* 3*d.*, of which the net personality has been sworn at 1,562*l.* 15*s.* 6*d.* (*C. & D.*, April 3, p. 525).

MR. HERBERT VAUGHAN HORSEY. Cranleigh, Portswood Road, Southampton, and formerly of 42 Carlton Road, and 55 Lodge Road, Bevois Mount, Southampton, chemist and druggist, who died on March 21, left estate valued at 3,262*l.* 0*s.* 9*d.* gross, with net personality 2,059*l.* 13*s.*

THE AMERICAN TARIFF.—The "Times" New York correspondent telegraphs that the Senate has made considerable progress with the Tariff Bill. An amendment was agreed to striking out the House duty on refined saltpetre, which it is understood is to be added to the free list; doubling the duty on santolin, thus restoring the Dingley rate; putting a duty of 50 per cent. *ad valorem* on perfumed soap; and transferring crude sulphur to the free list and placing a duty of \$4 (16*s.*) instead of \$6 (1*l.* 4*s.*) per ton on refined sulphur. On May 16 the "Times" correspondent stated that the two schedules (A and B), which include chemicals, oils, paints, etc., were finally agreed to. The agreement is really provisional in that the consideration of the controversial features in both schedules, debate on which became obstructive, was passed over in order to effect progress. The questions deferred include ammonia sulphate, transferred from the free list to the dutiable.

Ancient Newcastle.

Being the First of a Series of Illustrated Articles on the Northern Rendezvous of British Pharmacists in 1909.

THE British Pharmaceutical Conference is this year visiting Newcastle-on-Tyne for the second time in its history, which leaves out the fact that it was in that ancient town that the Conference had its birth in 1863. Mr. Charles Umney, when President in 1889, said:

We are indebted to Schacht for the idea of our annual Conference; to Atfield, Brady, and Reynolds for our excellent organisation; and to the indefatigable Secretaries for the success of our annual meetings through a series of years.

Schacht, Reynolds, and Brady listened to Mr. Umney's remarks; in 1889 they were the patriarchs of the Conference. A new generation has sprung up since, but the man who "arranges everything," Mr. T. Maltby Clague, is still in Newcastle, and he is now, as then, arranging everything in his capacity as Honorary Local Secretary. The meeting in the last week of July promises to be of exceptional interest. For one thing the town is one of the most important in the Kingdom to the welfare of the nation. She gives us coal and makes our ships, and in all that is industrially and commercially progressive there are few towns in Britain that beat Newcastle, and none that are modern in enterprise which excel it in historic interest.

On visiting a town for the first time, or even on passing a town in the course of a railway journey, such mental queries often arise as, "Why did this town spring up at this particular spot?" "What natural advantages operated in the choice made by our ancestors?" and "What political or strategic reasons were there for its location?"

It is hardly exact history to speak of the "providence which caused large rivers to flow past populous towns"; the converse working is all too plain in the case of Newcastle. To it the Tyne has been and is everything. Harbour for its imports, outlet for its exports, transport for its coal in the old-world wherry from pit to ship's hold, and site for its marvellous coal-staiths in times more modern. From the upper reaches of the river, nigh upon the Scottish border, it yields a bounteous water-supply, and its tidal flow has carried away to sea the sewage of the city from ages past to the present hour.

With facilities such as these it is no matter for surprise that shipbuilding yards, marine engineering works,

ordnance factories, hydraulic and steam engine works of every conceivable sort line its banks. But why the city just at this point in the river's course? Here it is that history steps in and gives the precise reason with a distinctness seldom observable in such an inquiry.

One of the branches of the great Roman road leading to the north (the most easterly road) here crossed the Tyne, and a protecting station or fort was required, as well as a bridge which should afford passage of the river. Fordable at low tide and in a low state of the river's flow, the Tyne was impracticable at high water, and when it was in flood for days or weeks together, crossing could only be managed by boat. This led the Roman Emperor and

General Hadrian (Ælius Hadrianus) to the conclusion, on his visit in 120 A.D., that if he would put his troops of the future in a better position than the ill-fated Ninth Legion (which had just been wiped out by the Northern barbaric tribes), he must have both fort and bridge at this point. So the first work of the newly arrived Sixth Legion was to secure these aids to their own safety. It must be borne in mind that the great Roman Wall, which, with its chain of forts, stretched from Wall's-End (Wallsend, four miles east) right across Britain to far Solway, was here close to the river.

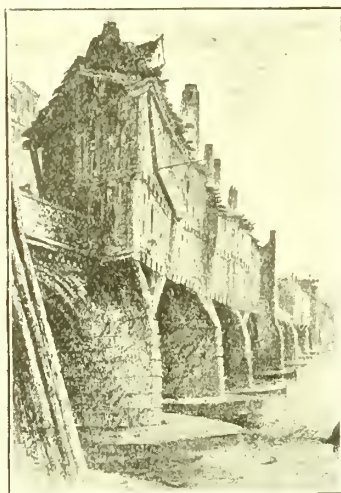
Both bridge and fort were known as "Pons Ælii" or "Pons Ælii ad murum," and this name for centuries is found as the name of the town which sprang up at the spot. The bridge, often renewed in part as time and fire and flood necessitated, seems to have stood until 1771, when it was almost entirely destroyed by a flood and had to be replaced. That it was in part the old Roman bridge was shown by large finds of Roman coins in part of its structure. The accompanying copy of Richardson's engraving shows, too, in its stonework characteristics of the great road and bridge building nation whose central home was on the Tiber. In bad repair it often was, for when William the Conqueror, in one of his expeditions against the Scots, had to retreat, he found himself unable to cross the Tyne because it was in flood. The Roman fort had gone, and he was in an awkward predicament for a time. After his death William Rufus renewed the strife with the Northerners, and to make secure his base of operations built the Norman Keep, or, perhaps more correctly, began it, and Henry the First finished it. Harding's "Chronicle" relates that "he buidled the New Castell upon Tyne."

As an inducement to the people to wall the town he gave large grants of land, which to the present day form part of the common lands, or town moor, a magnificent lung of the city extending to over six hundred acres. The castle is the finest example of a Norman Keep in this country, and is in thorough repair, having got into the hands of a strong antiquarian society, which, appropriately, holds its meetings within the castle's halls.

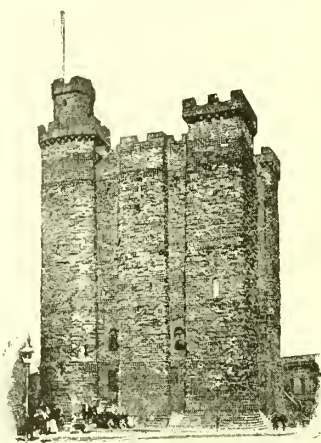
Thus the town got its modern name of Newcastle-upon-Tyne.

As the town grew its walls had to be pushed farther outwards, and, fortunately for the antiquary, there are considerable portions of the ancient walls still extant. They are known as the Edwardian Walls. These were about two miles long and formed a rough semicircle, each end of which rested on the river. The walls were guarded by twenty-four towers of great or lesser strength, according to the need of defence at each spot. The principal portion remaining is well over three hundred yards in length, and portions of the flanking show what they were like.

Some incidents in the history of the town may be noted. A fire partly destroyed the bridge in 1248, and the Prince-Bishop of Durham had to bear one third of its reparation. The convenient method of selling indulgences provided him with the wherewithal. In 1399 Henry the Fourth made the

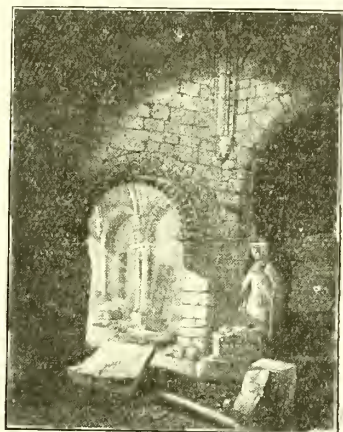


PONS ÆLI (A.D. 120-1711).
(From an engraving by T. M. Richardson.)



RUFUS' CASTLE AS IT NOW IS.

town a county in itself, thus freeing it from the jurisdiction of the County of Northumberland. At the time of the struggles between King and Parliament, the town adhered to the cause of Charles, and in 1644 the Parliamentary troops under General Leslie besieged Newcastle, and bloody



NORMAN ARCH IN THE CASTLE CHAPEL.

fight took place at Pilgrim Gate, Newgate, and Westgate. At last the town was taken, and three years later Charles himself was held a prisoner for nine months. He was lodged in a mansion surrounded by a large garden near the Pilgrim Gate. On Sundays he was taken to St. Nicholas' Church, where his sins and shortcomings were fully revealed to him by Roundhead divines. One of these, in addition to the sermon, sought to continue the "inunction of the unpalatable truth" by announcing the metrical version of the fifty-second Psalm:

Why dost thou, tyrant, boast thyself
Thy wicked works to praise.

But the King appealed to the congregation to sing instead the fifty-sixth:

Have pity, Lord, on me,
For men would me devour.

The historians record that the King's choice was sustained.

Business Changes.

Properly authenticated business notices (not being advertisements) are inserted in this section free of charge if promptly communicated to the Editor.

MESSRS. J. BOWER & SON have removed from 44 Mill Lane, Macclesfield, to larger premises across the street, at No. 42.

MR. L. J. GRIFFITH, chemist and druggist, has opened business at 35 Market Place, Wokingham, as a dispensing and photographic chemist.

MR. J. STEWART, of Corsar Street, has purchased the business of Mr. S. Harrop, pharmacist, at 80 Ashton Old Road, Openshaw, Manchester.

BOOTS, LTD., have recently opened a branch at 706 Ashton Old Road, Openshaw, and are also opening shortly in Higher Broughton, Manchester.

THE BUSINESS of the late Mr. Hugo Lange de la Camp, of Hamburg, will from June 1, 1909, be taken over by Messrs. Wachsmuth & Krogmann, Zippelhaus 4, Hamburg.

MESSRS. GRIFFITHS & Co. have disposed of their branch at 394 Ashton Old Road, Openshaw, Manchester, to Mr. J. D. Mackintosh, who is carrying it on as a drug and medicine-depot.

MESSRS. J. & J. THOMPSON & Co., LTD., have sold their branch business at 657 Oldham Road, Newton Heath, Manchester, to Messrs. J. Walker & Co., who are carrying it on as a drysaltery and patent-medicine department.

Personalities.

MR. T. C. LAMB, Ph.C., Chatham, has been re-elected one of the twelve Vice-Presidents of the National Deposit Friendly Society.

MR. C. BING, Ph.C., St. George's Street, Canterbury, has been elected Vice-Chairman of the local Chamber of Commerce.

COUNCILLOR A. E. EKINS, Ph.C., F.I.C., has been appointed Chairman of the House Committee of the St. Albans Guardians.

MR. T. D. MORSON, F.C.S., of Messrs. T. Morson & Son, Ltd., has been appointed by the Prince of Wales a member of the Chemical Industry Committee of the Royal Commission on International Exhibitions.

MR. H. P. ALEXANDER intimates that he has joined the staff of Messrs. Baiss Bros. & Stevenson, Ltd., as their representative and expert valuer. His private address is now 211 Graham Road, Hackney, London, N.E.

PROFESSOR E. B. POULTON, F.R.S., and Mr. G. Claridge Druce, F.L.S., have been appointed delegates from the Ashmolean Natural History Museum of Oxfordshire to the Darwin celebration at Cambridge in June next.

THE REV. GEORGE TRENTHAM MAW, M.A., son of the late Mr. Charles Maw, and Vicar of St. Mary-Virgin-at-the-Walls, Colchester, has been preferred by the Crown to the Rectory of East Barnet.

MR. GEORGE MATTHEY, F.R.S., who has retired from the board of Johnson, Matthey & Co., Ltd., after an association of seventy years with the business, has been appointed a Vice-President of the Royal Institution for the current year.

PROFESSOR RAPHAEL MELDOLA, F.R.S., has been elected a member of the Athenæum Club, under the provisions of the rule which empowers the committee to elect annually nine persons "of distinguished eminence in science, literature, the arts, or for public services."

MR. SIDNEY JAMIESON is joining the staff of Messrs. Sangers, druggists' sundriesmen, Euston Road, London, N.W., as representative for the West-end and City, the latter especially for export business. Mr. Jamieson takes up his new duties on Monday, May 24.

DR. HARVEY W. WILEY, chief chemist to the U.S.A. Department of Agriculture, sailed from New York on May 15 for England. He bears a letter from President Taft, which will be read at the International Congress of Applied Chemistry, inviting the Congress to hold its next meeting in the United States.

MR. HENRY FAIRBURN, F.C.S., F.S.M.C., the new President of the Society of Chemist-Opticians, served a five-years' apprenticeship with his uncle, Mr. Joseph Fairburn, of Northallerton, and was his assistant for a few months afterwards until he came to London in the autumn of 1888 and obtained a situation with Mr. C. J. Miles, 165 Edgware Road, W., where he remained until October 1889, when he entered the School of Pharmacy, Bloomsbury Square, where he took the Minor and Major courses. He passed the Minor in April 1890, but the death of his uncle soon after necessitated his return to Northallerton in order to carry on the pharmacy in Market Place, where he has been since. Mr. Fairburn passed the General and Visual



MR. FAIRBURN.

Optics examination of the Spectacle-makers' Company in March 1905, and the Sight-testing examination in November following. He has supported the Society of Chemist-Opticians since its inception, has served on the Council, and was a Vice-President in 1906.

Practical Notes and Formulæ.

Hunn's Liniment.

THIS has been asked for in Australia, and a correspondent of "The Chemist and Druggist of Australasia" supplies the following formula :

Oil of elder	2 oz.
Oil of thymo	1 oz.
Camphor	1 oz.
Spirit of camphor	2 oz.
Turpentine	1½ oz.
Sweet oil	1½ oz.

Mix.

Pill-coating.

KERATIN, which is generally recommended for coating pills whose action it is desired to delay until they reach the bowels, has disadvantages which have prevented the method being utilised to a great extent. Salol has also disadvantages. M. L. Danzel ("Revue Pharm. des Flandres") has in consequence devised another method. The following solution is made up :

Benzo-naphthol	0.60 gram
Tannigeno	1 gram
Salol	2 grams
Alcohol (90-per-cent.)	3 grams
Ether	10 grams

The pills are merely shaken with the liquid in a flask and allowed to dry. The coating only dissolves in alkaline liquids.

Toilet-lotion.

Powdered tragacanth	3ss.
Glycerite of starch	3v.
Glycerin	3iv.
Carbolic acid	3iss.
Bay rum	3xvj.
Menthol	3j.
Dist. witch hazel extract to	3lxiv.

Dissolve the menthol in the bay rum and moisten the tragacanth with half an oz. of it, mix, add the glycerin and glycerite, mix well, and gradually add the witch-hazel extract, then the rest of the bay rum, and finally the carbolic acid.

Another.

Mucilage of Irish moss	3xvj.
Glycerite of starch	3vj.
Spirit of camphor	3ij.
Carbolic acid	3ij.
Glycerin	3ij.
Ext. white rose	3ss.
Dist. witch-hazel extract	3xxxij.

Mix the mucilage and glycerite of starch, diluting with a pint of distilled extract of witch-hazel, add the glycerin, then the carbolic acid, spirit of camphor, and white rose extract, making up to volume with the remainder of the distilled witch-hazel extract.

Toilet-Cream.

Powdered borax	115 grains
White Castile soap	½ oz.
Cocoa-butter	½ oz.
Lanoline	1½ oz.
Distilled water	20 oz.
Oil of bitter almonds	15 drops

Melt the lanoline and cocoa butter together, add the borax and soap, then the distilled water (hot), and mix thoroughly.

Healing-oil.

Camphor	3x.
Carbolic acid	3liiss.
Alcohol (90-per-cent.)	3ss.

Triturate until an oily liquid is obtained.

Mullein-flowers	3iv.
Cottonseed oil	3xvj.

Macerate the flowers in the cottonseed oil on a water-bath for one hour, cool, strain, and add 2 parts of this oil to 1 part of the first mixture.

Another.

Acid. carbolic.	3j.
Lin. camph.	3xvj.

Preserving Tincture of Iodine.

M. G. HUGENHOLTZ, in the "Revue Pharm. des Flandres," shows that tincture of iodine is best preserved in bottles only partly filled and exposed to the light. The paper shows that the tincture does not keep so well in amber bottles.

Formalin Disinfection.

M. LAUGHLIN ("Répertoire de Pharm.") finds that when formaldehyde is mixed with carbolic acid the tendency of formaldehyde to polymerise is obviated. The employed is 75 parts of the 40 per cent. formalin solution with 25 parts of carbolic acid; of this, 250 grams suffice to disinfect a space of 1,000 cubic feet in two hours.

Water Purification.

M. J. LAURENT recommends ("Journ. de Pharm. et Ch.") the following process of purifying water. To each litre is added a mixture of potassium permanganate 0.03 gram, powdered alum 0.06 gram, the water is shaken, and after five minutes is added sodium hyposulphite 0.03 gram, dried sodium carbonate 0.06 gram. After ten minutes the liquid is strained through cotton-wool, and one obtains sterile drinking-water.

Is tonic Collyria.

M. A. CARTONNET ("L'Union Pharmaceutique") writes on the importance of using eye-lotions in solutions of the same specific gravity as that of the tears. The ideal liquid for bathing the eyes consists of 14 grams of sodium chloride in a litre of distilled water. This isotonic solution is adaptable for use with medicated eye-lotions. If, for instance, a 1-per-cent. solution of a medicament such as cocaine is required, the following is the formula which must be used :

Cocaine hydrochloride	0.1 gram
Sodium chloride	0.125 gram
Water	10 grams

The method is obviously not applicable in the case of silver nitrate and zinc sulphate eye-lotions.

Furniture-worms.

SIR RAY LANKESTER, in the "Daily Telegraph," states that he has often been asked as to the best method of destroying the furniture worm or grub, and gives the following :

If the piece of furniture (or its pieces) can without injury be "baked" in a hot chamber for twenty-four hours, at a temperature a little above that of boiling water, that is the easiest method of destroying the pest. Or, again, I should suggest placing the piece of furniture in a refrigerating-chamber for a week or two. If neither of these methods can be used, the piece of furniture should be placed in a very hot room, and creosote or bisulphide of carbon or solution of cyanide of potassium should be injected with a very fine-nosed syringe into the little circular holes of the burrows on the surface of the wood; then the piece of furniture must be at once exposed to the cold, which will cause the air to be drawn into the burrows and diffuse the volatile poison within. The "worm-holes" on the surface should, as soon as the piece of furniture is quite cold, be closed by melted paraffin. If the piece of wood which it is desired to "cure" will stand submersion in water for a few minutes, and is not larger than a cricket-bat, it is, of course, easy, by first warming it through and then plunging it into water containing corrosive sublimate or other poison, fairly to impregnate the burrows, and make an end of the beetles and their grubs.

Grain Weevils.

In the most recent leaflet issued by the Board of Agriculture a description is given of grain weevils and also a process of destroying them. Carbon bisulphide is the substance employed. The grain to be treated should be put in a tin or air-tight receptacle, and the bisulphide of carbon poured into a saucer or shallow vessel and laid on the top of the grain, when the liquid quickly volatilises and the fumes penetrate through the grain and prove fatal to insect-life. One pound of bisulphide of carbon is sufficient for 100 bushels of grain, and air should be excluded for twenty-four to forty-eight hours. In dealing with larger quantities a more convenient form of reckoning is 1 lb. of bisulphide of carbon for every thousand feet of space. Another method of dealing with infested grain is to run it through a sieve or screen sufficiently fine to keep the grains back and to let the weevils fall through into a receptacle containing paraffin. This process, however, is valueless in dealing with grains that contain eggs or developing larvæ, and the same effect holds good in the case of the practice of screening under a strong air-blast. For cargoes in ships thorough ventilation is recommended, with the object of keeping down the temperature and ensuring the dryness of the grain.

Observations and Reflections.

By "Xravser."

Literal Puzzles

promise to become a new source of torture for the chemist's apprentice of the near future. After mastering the classic abbreviations on the bottles and drawers which surround him, he will find himself confronted with the task of deciphering the enigmatic designations of the multitude of associations to which his master's and his own professional interests will by that time be entrusted. To us who know so well the respective purposes and services of the P.S.G.B., the P.A.T.A., the B.P.C., and the C.D.A., these combinations of capitals offer no mysteries. But these were only the pioneer spies; the battalions are now making their appearance. The F.L.P.A., the P.D.U., the B.U.P., the U.K.A.L., and the N.U.A.P., are all just now flaunting their distinctive initials in our field of vision—which expression reminds me of the S.C.O. Local associations are adopting the same economy of language, and we frequently read of the L.C.A., the C.A.A., and others, and are expected to recognise the important bodies so represented. Nor is this anything like the full extent of the alphabetic invasion of our technical vocabulary. This journal is known in both the hemispheres as the *C. & D.*, just as our official text-book is invariably quoted as the B.P. Camwal started the trick of initialising its title and then re-forming the letters into a new word, and Lemco followed the example. It must be evidence of pretty intimate acquaintanceship when firms or their products get whittled down to a few caps.—as, for example, in the cases of A. & H., B. W. & Co., P. D. & Co., and McK. & R. Perhaps our prescriptions have insensibly helped to form these contracting habits: h.s.s. and p.r.n. come as naturally to pharmacists as cif and f.o.b. (the former in one syllable, the latter always as three letters) to merchants.

"Medical Prescription"

is an expression which certainly ought not to have been used in an Act of Parliament without definition. I suspect that the promoters of the statute preferred to leave it vague, but the official draftsman—I believe there is such a person—ought to have stepped in. As shown last week, the Courts have several times had to guess at the exact meaning of the term, and even now neither the lawyers nor the pharmaceutical authorities can declare with confidence whether it includes an order for a pennyworth of oil of almonds and a pennyworth of syrup of violets, or whether it is limited to guinea documents from duly qualified physicians, or whereabouts between these the line should be drawn. Mr. Justice O'Brien's dictum was certainly not helpful. In the case before him it was alleged for the defence that the prescription which the defendant had compounded had not been written by a medical man, and was therefore not a prescription within the meaning of the Act. "It professes to be a prescription," replied the Judge, avoiding altogether the legal point, but adding some totally irrelevant observation about bigamy. If, however, an unregistered person sells a liquid professed on the label to be paregoric, though it contains no opium, he cannot be convicted for the sale of a poison; and on the same reasoning a thing does not become a medical prescription merely because it professes to be one.

The British Dental Association

is getting its own way so completely since the case of *Barnes v. Brown* in the High Court last autumn that it is in a fair way towards

establishing the monopoly in dental practice which the profession insist that Parliament ought to have given, and some of them assert intended to give, in 1878. A case is at least created for asking Parliament to say more definitely what it did mean. The opportunity would be given if the Bill drafted by the British Medical Association with clauses suggested by the British Dental Association could be introduced. These aim to prevent companies from practising, to get direct representation on the General Medical Council, and to charge an annual fee. But some of the more astute public men among the dentists are urging that it would be wiser not to proceed with any such Bill at present, for reasons which must be obvious. Perhaps the simplest way to get the question raised would be for Mr. Bennett, of Hackney, to take the three months' imprisonment which Mr. D'Eyncourt offered him instead of paying his fine and costs of 25*l.* Sentences of that kind may be deterrent, but they are also likely to bring the Act and the prosecutors into disrepute. They are evidently based on the theory that dental practice by an unregistered person, if not exactly illegal, is "a sort of" misdemeanour. Mr. Bennett had been previously fined 10*l.* and three guineas costs for using a description which a year ago would probably have been regarded as legitimate. After the conviction he had added on his plate the words "Not registered under the Act of 1878." It was quite possible for an intelligent man to consider that those words were sufficient to exonerate him from the penalties of the Act; they certainly did not make his offence worse, though that seems to have been the Magistrate's opinion.

The Phoenix

sat in a corner of the Ark, very beautiful but very quiet. While all the other animals were clamouring for food the phoenix made no sign. Noah noticed this, and asked him if he were not hungry. To which the phoenix replied that, seeing Noah so busy, he did not wish to add to his burdens by joining in the outcry. The answer so touched the patriarch that he then and there bestowed upon the bird the exceptional longevity which has since distinguished the family. This is a Talmudic legend which is only introduced here in order to contrast Noah with Mr. Lloyd George or any other Chancellor of the Exchequer. The policy of the phoenix will be of no avail with these great men, and though persistent repetition of our demands may not save our humble hen-roosts, it is quite certain that mere complainings among ourselves will have no effect at all. Even if exceptional treatment of medicines in which spirit is used may be too difficult to concede at once, it may well be that it will have to be considered by the Board of Customs and Excise with a view to some modification in future. A special licence for medicated wines is not impossible, and it might be granted to chemists only. Evidently the Chancellor is open to a deal in this matter. It is curious, however, that the prominent makers of these wines, who would suffer most if chemists had to drop the sale entirely, are so lethargic, or at least appear to be.

Charles II.

granted a charter to the Royal Society in 1662—two years after his accession, and seventeen years after the foundation of the Society. It is supposed that his Majesty was not devoid of interest in the Society's work, and he had a particular fancy for what was then known as chemical research. Evelyn tells of a demonstration of the composition of Sir Walter Raleigh's cordial which he had attended at the Court; and his Majesty, by patronising and knighting the apothecary Talbot, helped largely to establish the reputation of Peruvian bark. Reading the other day Bishop Burnet's "History of my Own Times," I came across a passage in the section on the reign of Charles II. in which Sir Robert Murray, then President of the Society, was "much trusted in the King's laboratory, and had several of his chymical processes in his hands." Burnet knew what he was writing about, knew the King, and knew Murray. What were those "chymical processes"?

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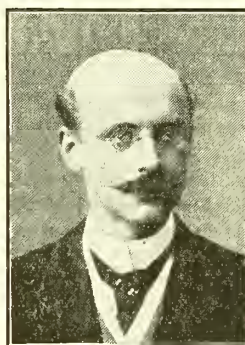
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Editorial Comments.

The Moral of the Week.

THE annual meeting of the Pharmaceutical Society, held in London on Wednesday, was conspicuous for the address delivered extemporaneously by Mr. J. Rymer Young on completing his third term of office as President. Mr. Young has intimated with decision that he cannot continue in the office longer, and it is understood that he will be succeeded by Mr. John F. Harrington. The special vote of thanks and appreciation which was awarded to Mr. Young on Wednesday was well deserved, and it fittingly caps the appreciation which his colleagues on the Council conveyed to him on May 5 by the presentation of a piece of silver. In an exceptionally perilous crisis in the history of the Society Mr. Young showed good sense and strength by using the expert advice and power at his command in order

to obtain many things which one man alone could not have got. His presidency has been during a period when failure could easily have occurred, and the fact that he retires with the laurels of success must be contrasted with the failure that might have been. He, of course, remains on the Council as a member to give the Society the benefit of his experiences as a leader. This is likely to be needed, for the members of the Society, and perhaps some of the Councillors, do not realise the novel position in which the body corporate has been placed by the new Act. This was admirably shown in the discussion on Wednesday, when one after the other members suggested things which they thought should be done, and to which there could be no official reply chiefly because the Society as an administrative, examining, registering, and prosecuting body under the Pharmacy Acts finds these duties in conflict with those powers given to it as a voluntary Society by charter. Some members want more militant action against infringers of the Acts, as by the appointment of inspectors: but it is admitted that in the present financial condition of the Society this will be a hard thing to do. There is no lack of income, but that which comes to the Society by statutory means and that which comes from the charter are mixed together, and the statutory or public work of the Society is crippled by the drain upon the common fund by educational and publication business. The new Act will call for greater vigilance from the Society. It alone is empowered to prosecute under Section 15 of the 1868 Act, which is used by the 1908 one for the punishment of offenders in regard to agricultural and horticultural poisons. The Acts provide the funds for such work by examination and registration fees, which amounted to 6,705*l.* last year, while the direct expenditure in examinations and law costs is given as 2,169*l.* The balance is a very large sum to meet the secretarial and other administrative expenses, and is more than sufficient to provide for effectively discharging the old and new statutory duties. If the Council were a Board of Pharmacy, unconcerned with the chartered body called the Pharmaceutical Society of Great Britain, it would have no monetary difficulty at all, and would be less troubled than it is now with such questions as "Is it policy for the Society to do this or that?" Some differentiation of this kind lies in the future. Large questions are looming ahead in the settlement of which the Council will be hampered by its attachment to the Society which embraces probable defendants. The conflicting interests of chartered rights on the one hand, and statutory obligations on the other are not infrequent, and are not less real because they are seldom mentioned. The very fact that an administrative body like the Council, with important public duties to perform, comes under review annually by a handful of its members, who have every right to tell the Council what it should do under the charter, but no more right than the man in the street to say who should or should not be prosecuted by the Council, is an example of the risks that are run under the present dual condition. The difficulty is growing, we say, and it will have to be faced.

The New Act.

IN referring to the book on the Pharmacy Acts written by Dr. Hugh H. L. Bellot, barrister-at-law (*C. & D.*, May 1, p. 680), we reserved several notes on points of interest, to which we now return. In discussing Section 2 of the new Act Dr. Bellot makes some useful observations. Thus, if the licensee in selling a poisonous substance complies with all the requirements of Section 17 of the 1868 Act, he is not required to actually deliver the article to the purchaser personally—this being

based upon Mr. Justice Grove's dictum in *Templeman v. Trafford*. On the other hand, as the licence is purely personal, the licensee cannot delegate his powers, and he must personally conduct the sale, which must not take place off the premises. It is unfortunate that Dr. Bellot has worked with the Draft Regulations made under the section, for he says the question arises whether the labels "Poisonous" and "Poison" must both be affixed to such substances. There is no question about it. The Arsenic and Poisons Acts require "Poison" and Regulations 14 and 15 require "Poison" on the label and "Poisonous Substance" to be indelibly printed, marked, or branded on each bottle, tin, drum, or cask, apart from the label. In commenting upon Section 3 of the Act, Dr. Bellot discusses the question of "What is the business of a pharmaceutical chemist and a chemist and druggist?" He follows substantially the arguments submitted in the *C. & D.* editorial article of January 2. We note that in regard to the exhibition of the certificate of qualification he says that if a proprietor holding only the Minor title has in his branch shop a Major man as manager who exhibits his Major certificate,

The proprietor would, to the extent of the exhibition of a major certificate, be carrying on the branch shop under the major title.

This appears to us absurd. If the proprietor's name and qualification are the designation of the premises, the title on the manager's certificate is no more a use by him of the title "pharmaceutical chemist" than would be the exposure in his shop of preparations made and labelled by a pharmaceutical chemist, and of these there are sufficient examples in stocks of proprietaries. On another and allied point we disagree with Dr. Bellot. He says in regard to the use of the title "Pharmacist":

Such right is purely personal, consequently even individuals carrying on business under trade or firm names other than their own are not entitled to use any of the above titles. Thus, for instance, Mr. John Jones, pharmaceutical chemist, trading as Brown, Smith, Robinson & Co., would not be entitled to trade under the title of "Brown, Smith, Robinson & Co., Pharmaceutical Chemists," although if he *bona fide* conducted the business himself he could exhibit his name and certificate in such branch as he selected to manage personally.

It would be interesting to know for what offence Dr. Bellot would proceed against Mr. John Jones. The Statutes authorise him to use the title which he has acquired, and do not impose a penalty for the use of the trade name "Brown, Smith, Robinson & Co." We notice that Dr. Bellot does not in this connection refer to the use of the title "chemist and druggist," and it would be interesting to know upon what grounds he makes this clear distinction. Again, in regard to the certificate of qualification required by the Act of 1908, he states that the term "qualification" means "that the holder of the certificate is registered or otherwise qualified to practise," and "the Minor and Major examination certificates and the certificate of membership of the Pharmaceutical Society would therefore appear to be sufficient certificates of qualification." This is a contradiction of terms, due chiefly to the fact that the author has not perceived that Section 3 only applies to persons who are in fact registered as pharmaceutical chemists or chemists and druggists, which is a condition precedent to the exhibition of their certificates of qualification in the shops that they manage. Again, Dr. Bellot, in commenting upon Section 7 of the 1852 Act, says that "the Registrar's certificate is sufficient evidence of the registration or non-registration of a chemist," but the section refers to pharmaceutical chemists. In commenting upon Section 16 of the 1868 Act he says:

Although wholesale dealers in and manufacturers of poisons are not within the mischief of this section, they are required to observe the provisions of Section 17.

This is too inclusive a statement, wholesale dealers being exempted from certain of the provisions of the section, and a lawyer might have noted that "manufacturers of poisons" is a term which does not occur in the Statutes. It is stated that pharmaceutical chemists are exempt from jury service by the Juries Act, 1870, whereas it is the 1862 Act which exempts them. Commenting upon the exclusion of chemists and druggists from the exemption, the author says:

The reason of their omission from the schedule is probably to be found in the fact that the Legislature contemplated that all persons carrying on the trade of "keeping, dispensing, and selling" of poisonous drugs would become registered as pharmaceutical chemists under the Act of 1868.

It was not so, the reason being that when the bill for the 1862 Act was before Parliament, the United Society of Chemists and Druggists endeavoured to obtain the exemption of chemists and druggists from jury service; then the Pharmaceutical Society stepped in and asked that pharmaceutical chemists should be exempted, with the result that Parliament looked closely into the matter and gave the exemption to pharmaceutical chemists, of whom a register existed, while there was no register of chemists and druggists.

A New Shellac Process.

IN the volume of travels which Señor van Linschoten published in 1596, after a visit to India, he described the process of making shellac then in vogue. That process is substantially the one now in use, and, with the exception of a few new mechanical appliances adopted by the larger factories, the Hindoo shellac-maker of the present day relies, like his ancestors, mainly on his hands and feet as implements of manufacture. As is the case with so many other industries in India, this lack of progress is mainly due to the cheapness of native labour. It will be remembered that lac is a resinous incrustation produced on certain trees as the result of punctures made by a species of scale insect. Along with the resin there is formed a large proportion of a crimson colouring-matter, and in earlier days it was this red dye (lac dye) which attracted attention in Europe, and the resin only acquired importance at a much later date. Now, however, the dye is occasionally used as manure, but is generally scorned even for this last resort of nitrogenous waste materials. It is considered necessary in the present process of manufacture to get rid of the lac dye before the resin can be utilised, and this is generally done by grinding the crude lac and stirring it with water in stone tanks, the stirring being done by the simple plan of making a native dance in the tank. The dye is soluble in water, especially if the latter be slightly alkaline; but the process of extracting it is slow and costly, and in running off the dye solutions some of the finely divided resin is also lost.

Mr. Puran Singh, chemist to the Indian Imperial Forest Research Institute, has made the interesting observation that although both the resin and the dye are soluble in ethyl alcohol, only the resin is soluble in wood spirit, and he proposes to substitute for the washing process, outlined above, extraction of the crude lac with wood spirit. He suggests the use of an extractor built on the lines of Soxhlet's well-known apparatus for this purpose, and states that all the resin could be extracted from 100 lb. of crude lac in three or four hours. The extracted material, he asserts, is pure lac resin equal in quality to the best shellac now on the market. He also makes the interesting suggestion that this resin should be put on the market in roughly

powdered form, so as to avoid the cost of stretching to produce the familiar shellac. This would have the further advantage of obviating the necessity for the addition of resin to the lac to lower its melting-point and so facilitate the production of the "shell" form. Samples of the resin made by this extraction process have been supplied to the United States Consul at Calcutta for trial in American factories, but no mention is made of manufacturers in this country being similarly consulted. Mr. Puran Singh's results are interesting, but unfortunately his paper, which is published in the Indian Forest Memoirs, leaves a good deal to be desired from the point of view of the practical man of business. Wood spirit is expensive and is not, we believe, available in large quantities in India, though doubtless it could be made. The Soxhlet type of extractor is admirable as a laboratory instrument, but it scarcely recommends itself to the careful manufacturer as an economical apparatus, since it wastes heat by converting all the solvent into vapour and then condensing it again before the solvent can be used for extracting. Lastly, even with automatic extractors there is some loss of solvent. All these and other points will have to be taken into consideration and carefully worked out, from both the scientific and the financial sides, before Mr. Singh's suggestion can be put to any practical use.

Our Jubilee.

The Publisher announces to-day that the issue of the *C. & D.* for July 31, 1909, will be the Summer and Jubilee number, which reminds us that we are half-way towards the first century of our existence. Although the British Pharmaceutical Conference falls to be reported in the number, we hope to give in it some account of the inception of *THE CHEMIST AND DRUGGIST* and its progress since 1859. We must not say more at present—the *C. & D.* has never been accustomed to write of its achievements in advance, but we cannot help saying that we shall be false to our reputation if the Summer and Jubilee number is not a record number, for we are proud of the *C. & D.*'s fifty years' existence, and we fancy our subscribers are not devoid of anticipation of the event.

Spirituos Preparations.

The replies by the Chancellor of the Exchequer this week to Mr. Robert Harcourt in regard to the increased duty on spirits used medicinally seem fairly conclusive—he won't budge until he is assured that differential treatment of such spirit will not jeopardise the revenue from all spirits. That remains to be decided, and until it is decided, yea or nay, we shall not feel that efforts made to urge the Chancellor to consider the special claims of chemists and others who use alcohol for the production of medicinal preparations have been fruitless. More than this need not be said at present, except a word of regret that some chemists' associations have hesitated to increase prices of spirituous preparations. We see no reason for hesitation, and leading cutters have advanced their prices; it is fair business, and it is the intention of Parliament that consumers should pay. Retailers are in this matter in the position of tax-collectors, and they must show some of that relentless spirit with which tax-collectors call for the rates and take no denial, by so adjusting their prices as to cover the increased duty.

The Demand for Assistants.

In our issue of April 17, p. 601, we showed that the demand for assistants during March was somewhat in excess of the average, probably owing to the new requirement that every premises in which the business of a chemist and druggist is carried on in Great Britain shall be conducted by a registered chemist and druggist. We

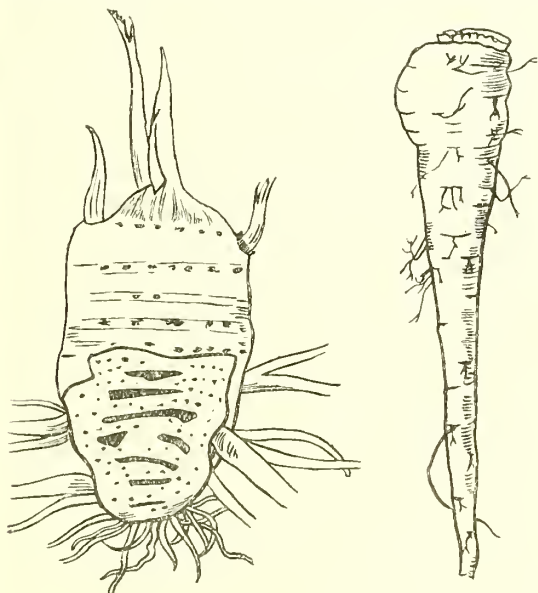
have now before us the figures for April, including assistants who advertised for situations and append them :

	April—1906	1907	1908	1909
Situations open ...	422	465	359	401
Situations wanted ...	664	600	512	490

The April demand for assistants is generally heavier than in March—eighty to ninety per week being the figure for March and 100 or more per week for April. This year, it is evident, there was not an abnormal April demand, while the figures for "Situations wanted" show that the supply is, numerically at least, equal to the demand.

So-called Parsnip-poisoning.

The recent case of poisoning with alleged wild parsnip (*C. & D.*, April 24, p. 633) has brought us a reference from Dr. F. B. Power to a paper on this subject published by him in the "Pharmaceutische Rundschau," 1891, p. 162. He had in 1886 pointed out that the roots of the wild parsnip (*Pastinaca sativa*) are not poisonous, and that the cultivated variety does not become poisonous if allowed to grow wild. In 1891 he again had occasion to refute the fallacious statements concerning the toxicity of the wild parsnip, but apparently the error has been perpetuated in even modern



CICUTA VIROSA.

PASTINACA SATIVA.

textbooks. It is to be noted that Mr. J. C. Shenstone, F.L.S., includes the wild parsnip in the list of poisonous plants which he contributed to our Summer Issue of last year (p. 161). In three instances of poisoning recorded in America between 1886 and 1891, Dr. Power obtained specimens of the toxic roots which were stated to be wild parsnip, but on examination he found them to be those of the water hemlock or spotted cowbane (*Cicuta maculata*, Lin.). The two accompanying sketches are taken from Dr. Power's article, and show the roots of *Cicuta virosa* and *Pastinaca sativa*. From a perusal of Dr. Power's paper, giving, as it does, pharmacological and physiological results, there is no doubt that the old allegation is wrong, and it is now time to get rid of it.

Drug-trade Appeal Fund.

The meeting of the subscribers of this Fund was held on May 20 at St. Bride Institute, Ludgate Circus, London, E.C. There were present Mr. C. Umney (in the chair), Mr. Walter Hills, Mr. A. C. Wootton, Mr. A. Cooper, Mr. J. C. Pentney, and Mr. F. W. Truman. The report

and balance-sheet (see *C. & D.* Supplement, May 15) were adopted. The trustees re-elected were Messrs. Carteighe, Hills, Newsholme, Tyrer, C. Umney, and Wootton, and in place of the late Mr. Fassett, Mr. L. O. Johnson (the surviving partner) was elected. Votes of thanks to the trustees and the Chairman concluded the meeting.

Oleate and Stearate of Mercury.

By D. B. Dott, Ph.C., F.I.C.

OLEATE of mercury is one of the substances reported as a preparation requiring improvement, in the judgment of the British Medical Association's committee. It is certainly not an entirely satisfactory preparation. The tendency to reduction, to separation into stronger and weaker strata, and its sticky consistence, are unsatisfactory properties. There is a good note by Naylor on the subject ("Year-book of Pharmacy," 1901, p. 200). Mr. Naylor is probably right in saying that the added oleic acid is unnecessary in the official process, at least to the extent given, considering the small percentage of alkaline carbonate permitted by the tests for *sapo durus*. I prepared some of the oleate, following the B.P. directions strictly, and determined the amount of mercury by the method recommended by Naylor, except that I omitted the ether, and washed with water as well as with alcohol and ether. It is desirable to do so, as one cannot be sure of alcohol and ether entirely removing saline matter. In this method the mercury reduced by hypophosphorous acid is washed, dried, and weighed. 1.673 gram gave 0.387 gram Hg = 23.13 per cent., or 24.98 per cent. HgO. When treated with hot nitric acid, this solution mixed with hydrochloric acid and evaporated to approximate dryness, the mass dissolved in water with a little hydrochloric acid, and H₂S passed through, the resulting sulphide being washed with carbon disulphide before weighing 1.176 gram, gave 0.304 gram HgS = 22.27 per cent. Hg, or 24.06 per cent. HgO. The result is evidently low, chiefly from the difficulty of getting all the mercury out of the oily acids. On the other hand, the tendency of the reduction method would be in the direction of a slightly high result. It would be well, especially when dealing with an oleate of unknown origin, to apply heat sufficient to volatilise the mercury, and weigh any small amount of residue.

In preparing stearate of mercury from commercial stearic acid, the more correct method would probably be to find the equivalents of the stearic acid and soda, then to combine them with the aid of alcohol in their proper proportions, and add to solution of equivalent quantity of mercuric chloride dissolved in water. The following rough method answers very well :

Dissolve 20 parts commercial stearic acid in boiling solution of $\frac{3}{4}$ parts of caustic soda in 140 parts of water. Then add hydrochloric acid till there is a slight permanent oily separation. Next add carbonate of soda solution in just sufficient quantity to redissolve the oily acid, stirring well after each addition. Dissolve $18\frac{1}{2}$ parts of mercuric chloride in about 70 parts of hot water. Mix the two solutions thoroughly, collect the precipitate, wash till practically free from chloride, dry under 100° C., and powder.

The product is a white powder, much more permanent and satisfactory in its properties than the oleate. By reduction with hypophosphorous acid in presence of alcohol, 1.392 gram gave 0.338 gram mercury = 24.28 per cent., or 26.22 per cent. mercuric oxide. As regards mercury content we may say that a stearate prepared as described is practically equivalent to the oleate.

CHEMICAL EXPORTS TO JAPAN.—The question of the difficulties in regard to Japanese laboratory tests on chemical and medicinal imports, which was raised by Mr. Idris in the House of Commons a fortnight ago (see *C. & D.*, May 8, p. 711), is referred to in the "London and China Telegraph" of May 10, in which it is stated that the agitation which has already taken place among British exporters against their treatment at the hands of the Japanese Sanitary Bureau has already led to considerable improvement, and it is hoped that the representations of the British Ambassador at Tokyo will lead to the complete removal of the grievance.

Materia Medica Notes.

Antimites. Under this name a product has been recently emanating from Marseilles, states M. Eug. Collin ("Annales de Falsification," February 4, p. 52). Antimites, he states, is devoid of insecticidal properties, and is evidently intended to sophisticate ground black pepper, which it resembles in appearance, but the feeble odour recalls thyme. Microscopic examination shows it has a composite character, as it chiefly consists of olive kernels, olivo pulp, pressed (to extract the oil) and dried, the former constituting about three-fourths of the mixture. The dried olive pulp gives the greyish-black colour of black pepper, while the powder's pungency is due to a small proportion of Cayenne pepper.

Some Newly Investigated Fatty Substances.—Ergot oil, lycopodium oil, and areca-nut fat have been the subject of recent investigation by A. Rathje ("Arch. Pharm.," 9, 246, p. 692). He states that *Ergot Oil*, the constants of which are given in tabular form below, is of a dark-brown colour and thickens a little on cooling. The odour is not very characteristic, and the taste is somewhat harsh. It was concluded that the fatty acids contained 22 per cent. of an hydroxyoleic acid, 68 per cent. of oleic acid, and 5 per cent. of palmitic acid. A small amount of a brown mass, smelling like pyridin, was obtained by shaking out the oil, thinned with chloroform, with an acid solution, and then transferring with alkali to ether. The amount was too small for suitable investigation. The oil contained 0.6 per cent. of alkaloid and 0.2 per cent. of inorganic matter. *Lycopodium Oil* is intense green in colour, with a yellowish tinge, and its bland taste becomes eventually slightly bitter. An investigation of the composition of the fatty acids calculated upon the oil gave percentage results as follows: Lycopodic acid, 81.0; lycopodium acid (dihydroxy-stearic acid), 3.2; stearic acid, 1.13; palmitic acid, 0.85; myristic acid, 2.0. Lycopodic acid, obtained by separating the lead salts of the acids by means of benzol, is a yellow liquid, with a molecular equivalent of 256.8 ($C_{26}H_{50}O_2=254$) and an iodine-value of 98.7. *Areca-nut Fat*: A reddish-brown marbled substance (A) was obtained by extracting the nut with ether, while with petroleum ether the fat (P) yielded was yellowish white in colour and almost free from odour. The percentage composition of the free fatty acids from the fats obtained by ether and petroleum were respectively: Stearic acid, 2.25 and 3.0; palmitic acid, 3.1 and 2.47; myristic acid, 21.0 and 24.7; lauric acid, 43.65 and 53.3; capric acid, 1.0 (each); oleic acid, 29.0 and 14.5. A little caprylic and caproic acid was found in the petroleum extract, and the mineral matter amounted to 0.02 to 0.03 per cent.

Constants	Ergot Oil	Lycopodium Oil	Areca-nut Fat	
			A	P
Specific gravity ...	0.9250*	0.9362*	0.884	0.973
Refractive index ...	1.4685*	1.4671*	36–37°C.	37–38°C.
Acid-value ...	11.31–11.46	18.6	91.1	97.2
Saponification-number ...	178.4–180.2	195	227.4	234.6
Iodine-number ...	73.4–74.5	81.0	24.3	12.3
Holmer number ...	95.84–96.6	88.0	92.76	91.45
Reichert-Meisss number ...	0.61–0.67	7.3	0.2	4.2
Acetyl-value ...	27.43–31.38	53.8	15.1	18.2
True acetyl-value ...	27.44	44.1	11.2	9.81
Unsaponifiable ...	0.36*	0.43*	1.12	1.01
Glycerol ...	8 per cent.	8.4	5.3	5.2

* In one sample.

Fatty Acids.

	Ergot	Lycopodium Oil	Areca-nut Fat	
			A.	P.
Melting-point ...	38–39°C.*	39–40°C.*	39°	39–40°
Neu raisination-value ...	183.0	202	229.6	235.5
Mean mol. wt. ...	307*	278*	244.6	238.5
Iodine number ...	77.2	91.8	25.95	13.6

* In one sample.

Medical Gleanings.

The Vaccine Treatment of Acne.

DR. ALEXANDER FLEMING, of St. Mary's Hospital Inoculation Laboratory, communicates a paper to "The Lancet" (p. 1035) on "The Etiology of Acne Vulgaris and its Treatment by Vaccines." Dr. Fleming has isolated from comedones a specific bacillus which he believes to be the cause of acne. He has prepared a vaccine from the bacilli, either alone or in combination with a staphylococcus, which is capable of effecting a remarkable improvement in the condition. In most cases of acne a stock vaccine of the acne bacillus gives good results when employed in suitable doses; an excessive dose is followed by a negative phase and the outbreak of a fresh crop of pustules. When the dose is reduced sufficiently improvement follows. In some cases it appears to be necessary to prepare a vaccine from the acne bacillus present in the individual patient, but this is exceptional.

Cancer Cures.

THE "British Medical Journal" recently contained a series of papers on the treatment of cancer: an address, entitled "Some Clinical Facts Regarding Mammary Cancer," by Sir Hector C. Cameron, M.D., C.M., F.F.P.S.G.; a lecture on "The Natural Cure of Cancer," by Mr. W. Sampson Handley, F.R.C.S.; and "The Treatment of Cancer by the Use of Potassium Bichromate," by Mr. James Fenwick, L.R.C.P. and S. Edin. Mr. Sampson Handley in his paper says that the only cure of cancer is brought about by fibrotic processes, which cut off the cancerous epithelium from that contact with connective tissue cells which is necessary to maintain its vitality. Mr. Fenwick in his paper records the results of treatment with subcutaneous injections of potassium bichromate into the substance of the tumour. The dose used, he says, is from 7 to 10 minims of the "sublimate solution." This, we understand, is a typographical error for "sterilised saturated solution" of the bichromate—that is, one part of the salt dissolved in ten of sterilised distilled water.

The Treatment of Rheumatism.

DR. D. B. LEES, in a paper on "The Effective Treatment of Acute and Subacute Rheumatism" ("B.M.J.," No. 2,507, p. 146), states that acute rheumatism must be conceived as a microbic toxæmia most virulent in early life, in which the heart is affected to a greater or less degree and the joints slightly or often not at all, with the peculiarity that when it occurs in adults the most prominent feature is often a painful arthritis. He further says that the common use of acetyl-salicylic which cannot be combined with an alkali deprives the physician of a useful ally. He finds that the addition of sodium bicarbonate to each dose of sodium salicylate in amount double that of the salicylate is an effectual means of diminishing the unpleasant symptoms which salicylate is apt to produce, and that the administration of large doses of sodium bicarbonate must tend to cause a lessening of the pernicious cardiac dilation of acute rheumatism. Dr. Lees prescribes initial doses of sodium salicylate (with double the amount of sodium bicarbonate) as follows:

For an adult, 15 grains, or 150 grains daily.

For a child (seven to twelve years), 10 grains, or 100 grains daily.

For a child (younger than seven), 5 grains, or 50 grains daily.

The daily increase may with advantage be 2 to 5 grains in the individual dose (or 20 to 50 grains daily). In chronic rheumatism he has seen improvement commence when the daily dose reached 450 or even 500 grains, while small doses may produce no apparent effect. The maximum dose in his experience was one of 600 grains of salicylate, and 1,200 grains of bicarbonate daily (for a boy fifteen years old) for two days, followed after a day's interval by doses of 500 and 1,000 grains of the two sodium salts for six days in three weeks, and then gradually reduced.

"THE ART OF DISPENSING" (eighth edition) contains much valuable advice upon the materials and methods employed in dispensing.—*Pharmaceutical Review*.

Westminster Wisdom.

A Record of Parliamentary Progress.

CHEMISTS AND THE BUDGET.

An important series of questions regarding the position of the chemical, medicine, and perfumery trades under the new Budget proposals were addressed to the Chancellor of the Exchequer in the House of Commons on Monday, May 17, by Mr. Robert Harcourt, the Liberal member for the Montrose Division. He desired to know whether the Chancellor was in a position to specify the articles in the chemical, medicine, and perfumery trades into the price of which the cost of spirit enters as a factor, and which might be raised by the increased duty; further, whether he had received representations from organised bodies of chemical or perfumery manufacturers, or of wholesale or retail chemists protesting against the increased duty; if so, from what bodies; and, if so, what action he proposed to take; if he could indicate the nature of the difficulties stated by him to be in the way of granting a rebate of the increased duty on spirit used by chemists; and if he could say whether it was possible or not to surmount those difficulties.

The Chancellor of the Exchequer, in reply, said he was unable to give the information asked for in the first part of the question. He had received some representations on the subject protesting against the increased duty, including a communication from the Pharmaceutical Society of Great Britain. As regarded the last part of the question (asking what action he proposed to take) he was afraid he could not at present add anything to the replies which he had already given. It would be difficult to provide an effective check which would ensure that the spirit is used only for strictly chemical purposes, and to prevent frauds which might involve serious loss to the revenue. As at present advised, he was doubtful whether it would be possible to devise means for surmounting these difficulties.

Lord Robert Cecil asked why it was more difficult to provide a check to avoid fraud in the case of chemists than in the case of spirits used for ordinary purposes.

The Chancellor of the Exchequer: I can only say that I am acting in this matter on the advice given me by my experts that it would be much more difficult.

Mr. H. C. Lea: Is it not a fact that spirit used for manufacturing purposes is rendered impotable before being used?

Mr. Chiozza Money: Does not this show how difficult it is to prevent taxes on material injuring trade?

No answer was returned to these two questions.

Two further questions on the subject of Budget taxation as it will affect the manufacturing chemist were addressed to the Chancellor of the Exchequer in the House of Commons on Thursday afternoon, May 20. One of these was in the name of Mr. Wilkie, who desired to know whether the Chancellor's attention had been called to the effect which his proposed increase in the spirit-duty would have on tinctures and other pharmaceutical substances and alcohol used in the manufacture of chloroform, ether, and chloral, and the consequent effect on the resources of such institutions as the Dundee Royal Infirmary, which, it was computed, would be affected to the extent of 170*l.* a year and whether he would allow exemptions to such institutions as were mainly maintained by voluntary subscriptions. The other question was asked by Mr. Robert Harcourt, who inquired whether the Chancellor had now ascertained why his expert advisers considered it impossible to give manufacturing chemists relief from the increased duty on spirit in some such manner as was provided by Part I. of the Revenue Act, 1906, as to spirits used in art manufacture, etc., proof being given that the spirits were so used.

Mr. Hobhouse, replying for the Chancellor of the Exchequer, said the use of duty-free pure spirit is allowed in the laboratories of certain institutions for research or teaching purposes, but only under stringent regulations as to bond, &c. Part I. of the Revenue Act, 1906, has reference to the users of methylated spirit which is already highly denatured, and the conditions therein laid down would be inapplicable to the use of duty-free pure spirit.

The Chancellor of the Exchequer estimates that of the

1,600,000*l.* which he expects to get from the new spirit-duty this year 1,137,000*l.* will be contributed by England and Wales, 294,000*l.* by Scotland, and 169,000*l.* by Ireland.

THE TERM "PETROL."

Mr. J. B. Lonsdale (C., Mid-Armagh) asked the Chancellor whether he was aware that the Board of Customs had issued instructions defining the products which under the term "petrol" are chargeable with duty, and whether he would state when those instructions came into force, and lay a copy on the table of the House.

Mr. Lloyd George replied that confidential instructions notifying the effect of the resolution passed on April 29 in regard to motor-spirit had been issued by the Commissioners of Customs and Excise for the guidance of their officers. These instructions were of a tentative and provisional character, and were intended for departmental use only. It would be contrary to precedent to lay them on the table.

In reply to Mr. Joynson-Hicks, he stated that the only duty received on motor-spirit up to May 15 was 1,200*l.* collected at Barrow last week.

THE BUDGET.

It is considered probable—writes our Parliamentary correspondent—that the Chancellor of the Exchequer will abstain from making an announcement as to any possible alterations or modifications which he may be contemplating in his financial proposals until he has completed the long series of interviews which he is now giving to the representatives of the various interests concerned. In regard to these it may be said that they far exceed in number anything which has been known in recent years, and the right hon. gentleman will probably go down to posterity as one of the most accessible Ministers of modern times. In the meantime there is an enormous and almost unprecedented demand for copies of the Finance Bill, due, of course, to the many points which have been left unanswered by the Chancellor in the House of Commons on the ground that the Bill—when printed—would afford the best possible reply to the interrogatories of the curious. The first consignment to reach the House of Commons will probably consist of some nine hundred or a thousand copies, and it is more than likely that as many as five thousand will have been disposed of in the Parliamentary precincts alone before the close of the session. Outside, of course, the demand will be of an even more gigantic character, seeing that every political association throughout the country, as well as most public institutions and the representatives of the hundred-and-one interests affected by the proposals of the Chancellor, will be anxious to obtain copies at the earliest possible moment. The actual supply is therefore likely to run into many thousands.

DAYLIGHT SAVING.

Mr. T. H. W. Idris, M.P., who has adopted at his works at Camden Town the principle of daylight saving, informed our Parliamentary representative that on the whole the scheme is working very well. The employees like to get off and have a long evening.

JAPAN AND BRITISH CHEMICAL EXPORTS.

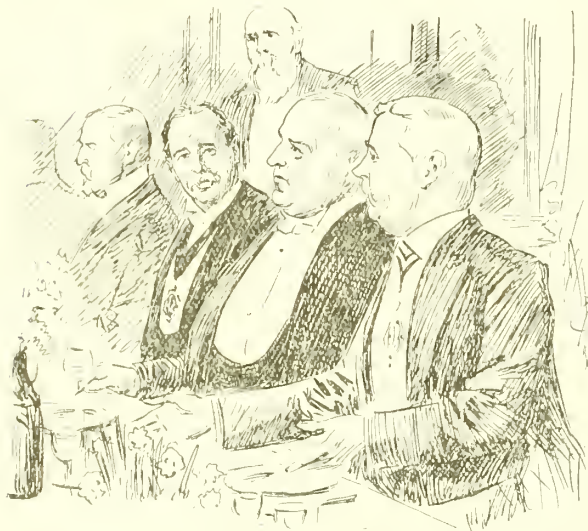
We learn upon high authority that the whole question relating to the rejection by the Japanese Sanitary Bureau at Tokio of British exports of chemicals and medicines is at the present moment forming the subject of investigation at the hands of the representatives of the British Government at Tokio. Their report is now being awaited by the British Foreign Office, and, pending its receipt, no further steps can be taken in Downing Street. The negotiations were the outcome of representations which were made some time ago to the British Government by English firms, and subsequently, it may be remembered, a question on the subject was addressed to the Foreign Secretary in the House of Commons by Mr. T. H. W. Idris, M.P., who pointed out that the Japanese Sanitary Bureau through laboratories at the principal ports of entry frequently rejected imports of chemicals and medicines on insufficient grounds, and the hon. member asked the Foreign Secretary whether he would take steps to protect the interests of the British Chemical Industry by suggesting to the Japanese Government the desirability of appointing a Board of Appeal to consider objections to the decisions of the Japanese Customs chemists.

Pharmaceutical Society of Great Britain.

SIXTY-EIGHTH ANNUAL MEETING.

THE DINNER.

is regarded by the average Englishman as the beginning or ending of a bit of good business. When the members of the Pharmaceutical Society and their friends were wont to dine annually in the Holborn Restaurant it was the ending of the annual gathering at 17 Bloomsbury Square. We do not attempt to remember when that was, but we can recall a chaffing remark by Mr. Michael Carteighe to the effect that the dinner on the evening of the annual meeting was a means of bringing back all the critics of the day to the level of fraternal feeling. That was in the Holborn days. This year Fate decreed that the members and their friends could not dine together in the Hôtel Métropole, as had been their custom for many years; but the Holborn Restaurant took them in and gave them a satisfactory dinner on Tuesday evening, May 18, the night before the annual meeting. The only risk was that a heavy feast is apt to disturb the dinner on the next day, but the Dinner Committee, of which Mr. A. E. Ekins was Chairman, took the risk. Friends abounded, and they were chiefly those who do not bother about the meeting next day, so that any temper shown there was by members who were not diners. It was, on the whole, a goodly company at the Holborn on Tuesday evening. The President received the guests in the Piscatorial Society's room, and at 7.15 all emerged and entered the Venetian Chamber. What memories that marble walled room awaken in the mind of the pharmacist! There the Society has dined in the past; there thousands of pharmacists have in their student days dined under the eaves of the "Westminster," the "Metropolitan," the



(From left to right: Sir Dyce Duckworth, the President, Mr. Henry Morris, and the Master of the Apothecaries' Company. The Toast master stands behind.

The Four Estates before us sat
In grave impressive pose;
The Rymer put his periods pat,
To which Sir Duckworth rose,
Belabouring "younger members" faults,
For these Sir Duckworth knows.

The Master Surgeon grimly gazed,
The Apothecary smiled;
While Pharmacy, quite unmazed,
The shining hour beguiled,
With quip and crank, and food and wine,
And Ethics—undefiled.

"London," or some other educational institution which has helped them over the Minor stile; and now, on this Tuesday evening, representatives of all are gathered together with no thought of the past, but a true sense of the pleasures of the present. Mr. J. Rymer Young, as President of the

Society, occupied the seat of honour, and the Chairmen of the seven spur-tables were (as the card stated) "F. A. Rogers, C. B. Allen, the Secretary, the Vice-President, John Humphrey, Esq. (Editor), A. E. Ekins, Esq., F.I.C., J.P., and Isaiah Bourdas, Esq. (Auditor)."

SOME OF THE NAMES.

To the President's right at the head-table were Sir Dyce Duckworth, M.D. (Treasurer of the Royal College of Physicians), Viscount Hill, Mr. Walter Hills, Mr. E. J. Bevan (representing public analysts), Mr. T. H. W. Idris, M.P., Sir George Fardell, M.P., Mr. Smith Whitaker, M.R.C.S. (British Medical Association), Professor Crossley, Mr. Phillip Snowden, M.P., Mr. A. L. Savory, and Professor Dixon. On the President's left were Mr. Henry Morris, M.A. (Royal College of Surgeons), the Master of the Apothecaries' Company, the Right Hon. Thomas Lough, M.P., Mr. R. A. Robinson, J.P., L.C.C., Dr. W. H. Willcox, Mr. W. S. Glyn-Jones, Professor Meldola (President of the Society of Chemical Industry), Mr. R. Winfrey, M.P., Mr. A. S. Gregory (who took the place of Mr. W. A. H. Naylor), and Mr. Thomas Tyrer, F.I.C., F.C.S. The following were also present:

Allen, C. T.
Anderson, G.
Arrow, J. J.
Arrowsmith, A. R.
Atkins, W. R.
Atkinson, A.
Baiss, A.
Baiss, S. S.
Barrett, J. T.
Barron, R.
Bascombe, F.
Bayley, C.
Bennett, R. R., B.Sc.Lond.
Bonner, C. G.
Bourdas, I. (jun.)
Boyes, A.
Branson, F. W.
Britton, A. B.
Browne, W.
Chalmers, W.
Chater, A. J.
Clarke, Frank
Clarke, R. Feaver
Clayton, W. F.
Cockman, G. E.
Cofman, J.
Cross, W. Gowen
Cuff, J. H.
Davies, T.
Dixon, R. D.
Dodd, H. Vincent
Douglas, J. W. (London
Chemists' Association)
Ducat, Dr. A. D.
Durrant, G. S.
Evans, W. C.
Evre, W.
Finnemore, H., B.Sc.Lond.
Fisher, E. H.
Flack, A.
Fogarty, W. F.
Ford, T. M.
Francis, Alan
Frankish, Dr.
Froude, H.
Gamble, F. W.
Gifford, R. L.
Giles, Wm.
Gilmour, J. P. (Chairman of
Executive, N.B. Branch)
Goldsworthy, G. H.
Goodall, F. C.
Gregory, A. C.
Gulliver, W. F.
Gunn, A., F.C.S.
Hall, J. W. (Peterborough
and District Association)
Harrison, E. F., B.Sc.Lond.,
F.I.C.
Harvey, R. M.

Heighington, T. G.
Hickey, H.
Hill, C. A., B.Sc.Lond.,
F.I.C.
Hill, J. Rutherford
Hobbs, A. E.
Hodgson, C. R., B.A. (Col-
lege of Preceptors)
Holmes, E. M., F.L.S.
(Curator)
Howard, D. Lloyd
Howie, W. L.
Jackson, C.
Jesser, A. H.
Jowett, Dr. H. A. D.
Knight, G. J.
Lansdown, G. A.
Laurance, Lionel
Layman, C. N.
Leng, R.
Lescher, T. E.
Linstead, E.
MacEwan, Peter
Marshall, J. D.
Martin, C. T.
Massey, C. J.
Melhuish, A. R.
Merrin, A. C.
Miles, C. J.
Moon, H.
Morson, T. P.
Morton, Dr. J. L.
Moul, F.
Neathercoat, E. T.
Noble, C. A.
Pain, R.
Parsons, W.
Pearson, G. E.
Pilcher, R. B. (Institute of
Chemistry)
Piper, F. R.
Pirie, F. G.
Presant, C. S.
Procter, H. R.
Quarrell, W. H.
Raper, J. R.
Richardson, R.
Robinson, W. Prior
Robson, B.
Rowell, P. F.
Royle, H., jun.
Royle, H. W.
Royle, John
Royle, P.
Rundle, C.
Sanger, E.
Sanger, H.
Schollar, N. H.
Shillecock, A.

Stephens, H. I.
Stevenson, H. E.
Summers, F. H.
Symes, C.
Thompson, S.
Tonkin, W. K.
Umney, E. A.
Wallace, W. J.
Want, W. P.
Warrick, R. C.
Weston, S. J.
Whitnough, W. A.
Whiffen, G. G.

Whiffen, T. J.
Whigham, R. L. (Western
Chemists' Association)
White, Edmund, B.Sc.Lond.,
F.I.C.
Wigginton, A.
Williams, T. R.
Wilshaw, G.
Woolcock, W. J. U.
Woolley, S. W.
Wretts, J. R.
Wright, Alfred
Wright, H. C.

The dinner served was set forth thus :

MENU.	
Hors d'Œuvres Moscovite.	
VINS.	Tortue claire.
Chablis.	Crème Velours.
Madeira.	Saumon d'Ecosse sauce Riche.
Hock :	Salade de Concombres.
Rudesheimer, 1904.	Blanchaille à la Diable.
Champagnes :	Poulet sauté Mascotte.
George Goulet,	Côte d'Agneau aux petits pois nouveaux.
extra quality, extra	Pommes nouvelles aux fines herbes.
dry, 1900.	
Charles Heidsieck,	Punch au Curaçao.
extra dry, finest extra	
quality, 1904.	Caille rôti sur Croûte.
Port :	Salade Romaine.
Burmester's,	Asperges sauce Mousseline.
1896.	Pouding au jus d'Ananas.
Claret :	Bombe Marie Louise.
Château Desmirail	Panier de Friandises.
Margaux,	
Grand Vin, 1899.	Dessert.
Liqueur.	Café.

The old toastmaster who cries at Lloyd's, and strongly resembles "W. E. G.," was not there, but in his place was one who might, on account of his face, have taken the R.C.P. chair, so strongly did he resemble Sir W. Selby Church. In due course he, while the diners were sipping the cognacked coffee, raised his mallet, cracked the board twice, and said, "Mr. President, my Lord, and gentlemen, pray silence for grace," which was sung by Miss Rosa Dallow, Miss Lillian Barnes, Mr. James Davies, and Mr. Stewart Gardner. It was the same grace that has been sung in London for nearly 400 years, "For these and all Thy mercies given." This over, came the toast of

THE KING.

The PRESIDENT, in giving the toast, said : My Lord and Gentlemen,—I am going to ask you in a moment to drink to the health of his Majesty, but I find by the papers this morning that the King is going to visit the wretched town which gives me shelter, Warrington, so that you can understand how proud I feel and how glad I am to give you the toast of "The King."

Mr. STEWART GARDNER sang a verse of "God Save the King," and with glasses uplifted and exclamations of "The King!" the company respected the toast. Mr. R. A. ROBINSON, J.P., L.C.C., then submitted the toast of

THE HOUSES OF PARLIAMENT.

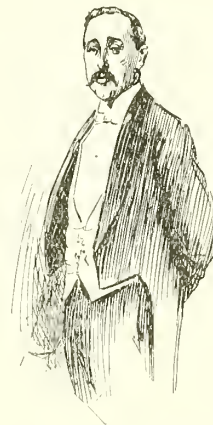
In doing so he said that the toast is one very near and very dear to us, but he hoped not too dear. (Laughter.) He would be glad indeed if in some way all parts of this great Empire could be brought together for defence and consolidation. In these times we cannot afford not to take every step in that direction. In determining the policy of the country, it cannot be denied that we are face to face with questions of the most vital importance for the safeguarding of our position, both from a commercial and an imperial point of view. (Hear, hear.) There are at the present time proposals before Parliament of far-reaching importance, and he hoped that the Government and Parliament would come to a correct conclusion. The proposals of the Chancellor of the Exchequer are, he considered, going to affect in a most extraordinary degree the members of this Society. He referred to the increased taxation on rectified spirit, and said that whereas the tax

had been put on spirits for consumption, sellers of which recoup themselves, the increased tax on spirits puts a material price on medicines in which they are contained. Although the Chancellor of the Exchequer had not yet seen his way to modify the tax so far as hospitals and the like are concerned, it remained a great tax on pharmacists. Proceeding to refer more directly to the toast, Mr. Robinson said, amid applause, that he was pleased to see present that evening members of both Houses of Parliament, and he referred to the time that Parliament had devoted last Session to the Poisons and Pharmacy Bill, mentioning the service that had been rendered by Viscount Hill, Sir G. Fardell, Mr. Idris, Mr. Lough, Mr. Winfrey, and Mr. Snowden—all of whom were present that evening. They were, he said, grateful to them for all they had done. Nobody thinks that the Act is satisfactory, but it will not be detrimental to the members of the Society, and he expressed the opinion that the title "Pharmacist" would in time have a good effect, and he proceeded to speak generally upon the Act, especially referring to Section 2. Mr. Robinson concluded by saying that "In drinking this toast we show our gratitude to the Lords and members of the House of Commons whom I have mentioned."

The toast was duly honoured, and, after a song by Mr. JAMES DAVIES,

Viscount HILL rose to reply and was received with cheers. Having thanked the company for drinking to the toast and for asking him to be present at this annual gathering, "especially the gathering of the Pharmaceutical Society, which is so much needed here and throughout the world," his Lordship remarked that it is said that the House of Lords should be "mended or ended," but he reminded the meeting that the most threatened institutions live the longest. He regretted that the proposed taxation is so hard upon us all, not only in this Society, but in all societies. As to the Poisons and Pharmacy Bill, he said that he always would be glad to do his best for pharmacy. (Hear, hear.) His Lordship had, while the Bill was in the House of Lords, moved an amendment to Clause 2, the principal one providing that it should not apply to municipal boroughs or urban districts containing a duly registered chemist and druggist actually carrying on business as such, but withdrew it on the Earl of Crewe pointing out that Sub-section 2 requires the local authorities to consider the reasonable requirements of the public in respect to the purchase of poisons. "If this provision," continued his Lordship, "does not work out satisfactorily, there ought to be some means of having an alteration made in the Act, and I would not object to putting a question about the matter." (Applause.) Viscount Hill then proceeded to speak about "sheep-dyeing" and the indiscriminate sale of "sheep-dyes," and said that to his mind it was most dangerous to the public that things so highly poisonous should be distributed indiscriminately, and that is a point which he commended all chemists to consider.

The Right Hon. THOMAS LOUGH, M.P., in replying for the House of Commons, provided the champagne of the speeches. His discourse effervesced with sparkling wit and continually bubbled over into rippling merriment. He



VISCOUNT HILL REPLIES.

The Genial Robinson was great
On Empire and its dues;
"The Budget," ventured he to
state,
"Some persons might abuse."
But the "heavy tax on alcohol"
Some persons did amuse.
The noble Lord, uneloquent,
Gave us much joy full soon:
The Bill to him but little meant.
"Dip dyes," he thought a boon
But wicked diners pictured sheep
In heliotrope-maroon.

was thankful that Viscount Hill had, so to speak, cleared his political path, and all he needed to say was that what the noble Lord will do in the House of Lords will be ably seconded in the House of Commons to the best of his feeble efforts. Many would wonder why the chemist appealed so heartily to him. The Parliamentary candidate has a gloomy path to tread, and in his first election the main topic turned on the Irish question. On the day of the election he was told a deputation of chemists wished to see him.—“How many are there?”—“Seventeen.”—“Show them in.” On their arrival an atmosphere of peace and learning seemed to diffuse through the room, and the spokesman commenced: “Sir, we understand that this election turns upon Ireland. We take no interest in Irish questions and are quite willing to leave them all to you.” From that moment, said Mr. Lough, his heart went out to chemists. When the deputation announced that they had come to speak upon the “law regarding poisons” his heart sank a little, but in consequence he had been devoted to following the interests of chemists. Since then he and his colleagues had carried pharmacy legislation to a successful issue in Parliament. (Cries and murmurs of dissent.) Well, at any rate, more or less. (Laughter.) He was glad that they were not satisfied, because otherwise what



MR. LOUGH REPLIES.

Hibernian Lough, whose witty speech
The rafters fairly shook,
Put Budget topics out of reach
Of R.A.'s glum outlook;
And capped our joy with story of
The Scotsman and The Buik.

“Well, he has ascertained that 4 per cent. of the visitors leave their tooth-brushes behind and he has sold eight over the average this week, so that there must be 200 visitors.” (Laughter.) Mr. Lough, continuing, stated that no class of men except a chemist is capable of such a wide generalisation on such a subject. At this table a speaker (Mr. Robinson) had tried to disconcert them with gloomy prognostications on the Budget; but they were not in the least moved—(cries of “Spirit of wine!”)—and haven’t made their mind up, because they had not seen the Bill. They wanted to see the text before they made up their minds regarding the tax on spirits which may hit the chemist hard, since spirit enters into so many of his concoctions. In America, where tariffs are high and frequently prohibition is in force, the chemist’s shop may be the only place where you can get a drink. (Loud laughter.) Accordingly chemists are “lying by” before deciding whether the increased taxation is for or against their interests. The tax on petroleum excited great interest, especially in London. It reminded him of the story of a Scotchman who bought his petroleum in bottles. One day, in a convivial spirit, he swallowed a glass of petrol instead of whisky. He felt he would surely die, and asked his wife to bring the Bible, and he commenced to read it as hard as he could. The doctor on arrival asked what was wrong. Patient: “Man, I’m poisoned; I’ve drunk some petroleum.” Doctor: “That

doesn’t matter; it will probably do you as much good as the whisky.” Patient: “Wife, I’m not going to die, you may take away the Buik.” (Laughter.) He felt sure that if any men were able to take a wide and learned view of the question and elude the operation of the tax he could back the chemists to do so. (Loud laughter.) In conclusion, Mr. Lough said the chemists had only to bring their views before Parliament and they would get many members to fight their corner and see that no unfair grievance rests upon their shoulders.

THE MEDICAL PROFESSION.

The PRESIDENT then proposed the toast of “The Medical Profession,” referring to the difficulty of following such a racy and brilliant speech as that just delivered by Mr. Lough. The medical profession, continued the President, has enormous claims on the consideration of chemists. The late Sir Mitchell Banks, of Liverpool, in a speech to medical students, said that the person who could number among his personal friends one well-bred and well-read medical practitioner could account himself a fortunate person. He (the speaker) had had the good fortune to be acquainted with many medical practitioners, and none of his friends he respected more than doctors. It was not, however, to individuals that he referred that evening, but to medical men in the aggregate—the faculty. He had no wish to give his remarks any political colour, but on the railway journey of 200 miles which he had taken to attend that dinner he had read in the newspaper about the *Dreadnought* scare. (Laughter.) This had led him to compare those gigantic machines of destruction with the ships of a hundred years ago, when battles were fought and won which for all time had settled the question of British supremacy at sea. Those battles were very dearly won, as, apart from the great slaughter, what impresses one is the appalling number of fatalities among the wounded. Compared with modern practice, nothing brings home to the mind in a greater degree the progress that has been made in surgery and medicine. An account of the progress reads like a fairy tale rather than a recapitulation of facts. Through taking advantage of the various adjuncts of science to-day surgical operations, such as those pertaining to the abdominal cavity and the spine, are performed with absolute impunity. The percentage of success is as great to-day as was the percentage of deaths one hundred years ago. This advance is due to the medical profession, who have all the time in view the interests of humanity. Let those present contemplate the effect of antiseptic surgery, the introduction of chloroform, and all those advances which have become possible by the researches of the minute anatomist, the biologist, and the physiologist. The profession lose no opportunity of introducing in the practice of medicine the discoveries of science. On this account surgeons are enabled to distinguish bones and locate injuries in a manner which a hundred years ago would have been regarded as miraculous. Anything more wonderful can hardly be imagined. Of all men none have done more than the medical profession to decrease the load of human misery. When Mitchell Banks said that a man is lucky to be able to count a medical man among his friends, he was right. In this country there exists a faculty of able, intelligent, well-bred, and well-read men who devote their lives to the interests of the community. Their services mean the difference between health and disease, war and peace, ease and discomfort, life and death. No section of the community has such a hold on the esteem and gratitude of the public as the medical profession. (Hear, hear.) The element of commerce has, however, to enter into even the medical man’s life. He has to pay rates and consider £ s. d.; but none makes such great self-sacrifice as the medical profession. Barristers give up lucrative practices to become judges; curates work hard in the cause of humanity; but the sacrifices of medical men are greater even than these. The doctor is called upon daily to perform acts of mercy for which he knows he will receive no remuneration. Medical men have even a greater claim on the sympathy and gratitude of pharmacists, and it was pleasant to be honoured that evening with the presence of distinguished

members of the profession. (Hear, hear.) It was not possible to have with them all the stars that scintillate in the medical atmosphere, but there were present some especially fine planets. Among these the speaker referred to Sir Dyce Duckworth, who can, he said, always be relied on for assistance. "I ask you in this toast," he concluded, "to indicate your gratitude to the medical profession, and I couple with the toast the name of Sir Dyce Duckworth."

SIR DYCE DUCKWORTH, Treasurer of the Royal College of Physicians, who was greeted with cheers, said he accounted it a great honour to return thanks for this toast. It was especially an honour to follow the President in such an eloquent and interesting speech. Referring to the great advances that have been made within recent years, he (the speaker) said many of these were on the surgical side, and to them his friend the President of the Royal College of Surgeons could have better replied. The

relations between pharmacists and physicians have always been intimate. There was a time when the Royal College of Physicians had the power to enter pharmacies and inspect the drugs, and turn out into the street the drugs that were not good. There is now, happily, no necessity for this. The relations became closer when the Pharmaceutical Society started its work of educating the pharmacist. Perhaps the relations are not quite so intimate now as they were ten years ago. They have been broken, he believed, because of the introduction of many new agents—he did not know if he could call them drugs—many of

which came from Germany and other parts of the world. These agents have to an extent displaced the use of the older remedies. There is a great difference in the materials on the shelves of the pharmacies and those laid out on the counter. He (the speaker) confessed himself attached to the drugs on the shelf and not to those on the counter. The new agents which are foisted on the public and engage their attention have largely displaced attention to the older remedies. The consequence has been that the public now largely prescribe for themselves. "You may call me a trusted old medical Tory if you like," said Sir Dyce Duckworth, "but I am a believer in the use and value of the British Pharmacopœia." Continuing, he said there is not among the younger members of the profession such assiduous study and use of the British Pharmacopœia as there was twenty-five years ago. Some of the prescriptions of the younger men must often excite the risibility and contempt of chemists. In his (the speaker's) clinical teaching he always took special pains to inculcate the use of old remedies. Sir William Jenner once said there are only two questions with which the medical man is concerned in the presence of a patient. The one is "What is the matter with the patient?" and the other is "What will do him good?" Now it rests with the educated pharmacist to provide drugs which are good, and the majority of good things are to be found on the shelves and not on the counter. The effect of education on the pharmacist has been to inspire the confidence of the public and to enable the pharmacist to know the reason for the inclusion in a prescription of the various remedies. The pharmacist fills a position of extreme usefulness to the community. The medical profession relies on him to supply that which is trustworthy, and regards him as one "well read and well bred" in his business. "I am glad," concluded the speaker, "to be here to-night as one of your happy family." (Cheers.)



SIR DYCE DUCKWORTH.



DR. WILLCOX AND MR. GLYN-JONES.

Two, learned in medicine and in law,
Found gay congenial themes:
Perchance the Doctor visions saw
Of consultation schemes,
The dark-eyed Celt cadaverous
Limned "Woolsacks" in his dreams.

THE PHARMACEUTICAL SOCIETY.

Mr. E. J. BEVAN, President of the Society of Public Analysts, said his Society had many friends among the members of the Pharmaceutical Society. The interests of the two Societies are in many respects the same, and the relationship, he was glad to say, had always been of a cordial nature. There had, it is true, been "tiffs" resulting from over-zealousness on the part of some analysts; but these have been readily disposed of by the rare good tact of the President of the Pharmaceutical Society. Mr. Bevan then referred to the appointment some years ago of an advisory committee to assist public analysts, one of the members of the committee being the late Sir Thomas Stevenson, who was intimately connected with the Pharmaceutical Society's examinations. The speaker then reviewed the foundation and objects of the Society, and wound up with a tribute to the tact and genial manner of the President, who, he concluded, will when he retires be ever rich in the memory of the members. (Hear, hear.)

The PRESIDENT, in reply, said that everyone has to practise some form of self-deception, and since the last speaker had sat down he (the President) had been trying



THE PRESIDENT REPLIES.

to persuade himself that some, at least, of the complimentary things that had been said were deserved. The membership of the Society is now higher than it has been since the formation of the Society, and it is a happy

coincidence that this period of prosperity has occurred during the two years he had been President. (Hear, hear.) When he spoke at that dinner twelve months ago he was accused of adopting a pessimistic note. This he did not deny, as the atmosphere was at that time full of clouds. Things have improved since then. He had no doubt, in regard to the new Act, it is the best thing done by the Pharmaceutical Society in the present generation. It is easy to make destructive criticisms. Can anybody suggest a better method than that adopted when the Bill was before the Houses of Parliament? It was strenuous work, and he would not willingly go through such a time again. The Act is the best thing that has happened to pharmacy in the last twenty-five years. It has its flaws, like every other Act, and if chemists are business men—which he sometimes doubted—they must recognise that legislation is always a compromise—all Bills that pass are the result of compromise. The chief flaw in the Act is, of course, the disregard which the authorities are showing to the intention of the Act. It is well known that the opposition to the Pharmaceutical Society's proposals was largely turned aside in the course of the negotiations during the progress of the Bill, and it is the spirit of these intentions which must be interpreted. Looking at the astounding way in which local authorities read the Act, chemists must be profoundly thankful that the Bill was modified as it was by the Pharmaceutical Society. All poisons were included in the Bill when it was introduced into the House of Lords, but as the result of the Society's action the poisons were limited to nicotine and arsenic. Fancy what would have happened if it had been left to the amazing discretion of local authorities to decide what were agricultural and horticultural poisons. Let chemists try to remember what the Society has saved them from. The new Act confers on all the title of "Pharmacist," which previously could only be used by those who had passed the Major examination. This has been given up, and he claimed that a good thing had been done in the interests of chemists. He hoped chemists would live up to the title and let the public know that it indicates a skilled and educated man and is not a mere adjunct to the business of an Italian warehouseman. Remember that the world takes people at their own valuation; manipulate the title in such a manner that it will indicate unmistakably professional attainments and is a title of honour not to be dragged in the dust and become part and parcel of company trading. "I feel warm in the matter," said the President, "for I have sacrificed the larger part of my business time for the last two years in what I thought to be the interests of chemists. I had no selfish interests, I only sought your approbation. I hope chemists will hesitate before entering the arena of destructive criticism and remember what they have escaped." The President concluded with a few words of thanks for the forbearance extended to him during the time he had occupied the chair of the Society. The services rendered by the officials of the Society, members of Parliament, and friends in the country are not to be lightly thrust aside by the flippant criticisms of men who do not know what they are talking about. (Applause.)

The CHAIRMAN, in proposing the toast of

OUR GUESTS,

said they regarded with admiration those who had been of use to the Society during the recent critical period. There were a large contingent present that evening, including representatives of the London Chemists' Association, Western Chemists' Association, Peterborough and Thames Valley, and Mr. Gilmour, Chairman of the Executive of the North British Branch, also representatives of the Chemical Society, Society of Chemical Industry, British Medical Association, Institute of Chemistry, and Society of Public Analysts, and others who were illustrious in the domains of science and medicine. Mr. Gilmour, who is to respond to the toast, in Scotland represents the same position as he (the speaker) so unworthily represented in this country. They had had a great deal of work on this side which had been carried on with more or less success, and the same might be said of the work with Mr. Gilmour on the North. They had only to look around them and they were sure to find that Scotchmen were about when things

were worth having. Indeed, in intelligence or capacity or education they had little to teach those North of the Tweed. (Loud applause.)

Mr. J. P. GILMOUR (Glasgow), in reply, said that as Chairman of the North British Branch he could confirm all the President had said in regard to the services the Society had rendered in Scotland. They wished to express their indebtedness for the guidance received in the administration of the new Act, in explaining its tortuosities and bewildering propositions to the local authorities, seeing that such a serious principle was involved. They had heard from the President that representatives of several local Associations were present that evening, and he was pleased to see that these Associations had come into much closer relations with the Pharmaceutical Society, to their mutual benefit. He thanked the Society for the generous hospitality they had accorded them that evening as their guests. (Applause.)

The company then separated.



A VOICE FROM THE NORTH.
(Mr. Gilmour.)

ANNUAL MEETING.

THE annual meeting of the Society took place in the old Lecture Theatre, 17 Bloomsbury Square, London, W.C., on May 19. There was a quiet air about the place when the President came in, and it looked as though the business would not occupy much of the members' time, but as it turned out the proceedings occupied nearly two and a half hours, the President's speech taking forty minutes to deliver. There were some fifty persons present at the commencement, but during the course of the President's speech the numbers rose until a maximum of about seventy was reached. The President (Mr. J. R. Young) was in the chair, on his right sat the Vice-President (Mr. J. F. Harrington), whilst the Registrar and Solicitor occupied positions on the left. The other members of the Council who were present were Mr. Walter Hills (Treasurer), Mr. C. B. Allen, Mr. A. S. Campkin, Mr. W. G. Cross, Mr. J. H. Cuff, Mr. R. L. Gifford, Mr. A. E. Hobbs, Mr. P. F. Rowsell, Dr. C. Symes, and Mr. E. White. The members who were there included the following: Messrs. A. P. Barnard, G. B. Barnard, J. T. Barrett, W. Campbell, R. F. Clarke, H. Deane, J. W. Douglas, H. Finmore, J. P. Gilmour (Chairman of the North British Executive), W. S. Glyn-Jones (Parliamentary Secretary), F. Goldby, W. F. Gulliver, E. F. Harrison, A. Higgs, J. P., J. Rutherford Hill (Assistant Secretary in Scotland), E. M. Holmes, W. L. Howie, J. A. Jennings, G. J. Knight, T. E. Lescher, J. E. L. Moore, E. T. Neathercoat, J. C. Pentney, R. A. Robinson, jun., J. C. Shenstone, F. W. Truman, W. J. U. Woolcock, and A. Wright. Three or four women pharmacists were present, including Miss Margaret Buchanan and Miss Gertrude Wren.

The SECRETARY at the request of the President, read the notice calling the meeting.

The PRESIDENT: Ladies and Gentlemen,—I take it that you will take the annual report as read. (Cries of "Agreed.") Thank you. May I assume from the paucity of the audience that it is an indication that things are as they should be, that there is a spirit of contentment in the air, that you have no grievances to ventilate, and that those who have turned up to-day have done so only for the purpose of congratulating the Council on the work of the past session? That is one of the pleasant factors I have before me at the present time, but I see Mr. Pentney is here. (Laughter.) Since last we met we have passed through troublous times. Men who were our enemies, if I may so describe them, or who have differed from us on

previous occasions, are to-day our strong helpers, ready to render us all the assistance in their power. At any rate, I do not look forward to anything like discord, even from our old friend Mr. Pentney. (Laughter.) Gentlemen, you will see that the financial position is described in the report as "not unsatisfactory." That is a negative description, and it should not be supposed that our financial statement is altogether satisfactory. It would be a mistake to suppose that it is right for us to exceed our income, which to a certain extent we have done, though I believe with perfect justification in these particular instances. As you know, to exceed your income is an outrage on the ordinary canons of finance, and does not do in the long run. I suggest that we shall have to give some attention to this matter in the future, and be exceedingly careful as to the ratio between the money we have to spend and the things that we spend it upon. (Hear, hear.)

EXAMINATION SLUMP.

In 1907 the revenue from examination and registration fees was 7,487*l.* Last year it was only 6,705*l.*, or 782*l.* less. Now, I do not myself think for one moment that this shrinkage is likely to continue. You know what is meant by the words "slump" and "boom." They are terms used in everyday business, particularly on the Stock Exchange. There has been a little "slump" for us in examination fees, and that has been going on for a little time. We are bound to acknowledge that this is so, but I am able to say, from evidence, that there are signs of recovery on this particular matter, and that things are likely to be better in that direction. We have got to recognise that no great increase in our revenue from this particular source is probable. The fact that we have a large number of apprentices or students entering for registration, and that these are all possible and potential students entering for examination, is a distinct indication that we shall have an increase in the number of candidates coming forward for examination. At the same time I admit that we cannot look forward to a "boom" in that particular direction. Therefore I would suggest that it would be bad policy, an unsafe policy, to discount any possible improvement which may take place. I am tempted to make those remarks for the benefit of some of my pharmaceutical friends, several of whom have special brands of reform—cards up their sleeves—which are intended to regenerate the Society. I make those remarks having those cases in view, and because my official position offers many opportunities for making myself familiar with the financial possibilities of the Society. My advice is that you will be acting wisely if you do not take up any of these expensive luxuries which we might be tempted to embark upon if our funds were free and large. (Hear, hear.) And I would suggest that you allow building up solidity, not the initiating of a new order of things, to go on quietly and consistently. That is to say, gentlemen, we have been trespassing a little in the direction of extensions and improvements in various directions, and we shall be wise for the next four or five years at any rate if we adopt the advice to go slowly, or, as Br'er Rabbit says, "lie low" for another year. Reform is a luxury, and while it sometimes is needed, organisation is frequently more valuable. Real, sound, effective organisation is a good deal more important to us at the present time. (Hear, hear.) The value of organisation during the past twelve months has been of distinct value. Defective though our system may have been, imperfect as it has been in certain instances, it has been of enormous service to me in the position I fill, in assisting me and your Council and your various officers—Mr. Glyn-Jones and others—in pushing forward this question of the Pharmacy Bill, which you know has now come about. It enabled us to put a finger on different pulses throughout the country at a day's notice, and to bring up from the provinces gentlemen who have influence with certain members of Parliament. In hundreds of ways the organisation system which is now in existence has justified itself.

A NEW ERA.

It is not to be supposed for one moment that in the passing of the little Bill which we now know as the

Poisons and Pharmacy Act, 1908, that it constitutes the end of pharmacy legislation. (Hear, hear, and applause.) It is rather the beginning of a new era. It is a grand and an enormous step in the right direction. And I would suggest that it will still be your duty and the duty of the Council to keep an eye upon, and to be constantly and intensely watchful of what takes place in the House of Commons. (Hear, hear.) The experience we have had during the past twelve months, if we ever had any doubt on the point, has opened up to our mind the fact that so far as the community is concerned we as pharmacists form, to a certain extent, a public football, and that the community care very little for our interests, and will sacrifice them in the main if they jar at all with their commercial interests. Therefore, gentlemen, we have to keep a good look-out for ourselves, and to keep well organised. The sum of 293*l.* was spent in this direction, as against 77*l.* in the previous year. I am almost afraid to think what it all means, if it is to be gauged or measured by worry, anxiety, energy, and personal effort on the part of those who have had to bear the burden of the work. But I need hardly assure you—and joined with us in the work were many of the gentlemen here present—that the work was enormous, excessive, and exhaustive, and yet it gave us infinite interest. (Hear, hear.) In point of fact, we could never shake from ourselves the feeling that we were engaged in a work which affected the commercial interests and well-being of thousands of our colleagues. I can assure you that the work hung about us like a nightmare, and that our actions called for the most careful thought. It was an intense relief to us all when, for good or for bad, the Act was passed as you know it. Well, gentlemen, though it sounds like a little bounce, you are fortunate in having had such officers at such a critical period, even though the list included myself—(laughter and applause)—who succeeded in removing from pharmacy the shadow of a very great evil. When you are considering the Pharmacy Bill, which is now law, try to keep in view

WHAT IT HAS SAVED YOU FROM.

I very much doubt if any institution in the world could have achieved what we have done for the paltry sum of 293*l.* (Hear, hear.) In the electioneering campaigns through which we have gone, after the numberless visits up and down the country which have been made, after every expense has been added up, you find that with this paltry sum of 293*l.* we have been able to accomplish these results—the prevention of one thing, and the perpetration of another in the shape of the Pharmacy Act. Why, we pay more than that sum in railway fares for provincial members of Council. The idea pervades the country that this Council consists largely of London pharmacists. But that is one of the largest mistakes that could possibly be made. (Hear, hear.) As a matter of fact, the Council does not consist of more than one-third of London pharmacists, and we have been spending a greater sum of money in defraying the railway fares of gentlemen who attend here than the total amount of the expenditure incurred on the whole question of organisation. I do not mean to say that we should not pay the fares, but the same sum of money has been productive of marvellous good in another direction. You are not to be so foolish as to suppose for a moment that individuals, who sacrificed themselves in 1908, will continue to do so indefinitely under those circumstances. I do not expect that the amount of money spent on organisation can ever go back to the ridiculous sum of 77*l.*, which was the amount spent two years ago. If the work is to be done properly an amount must be spent considerably in excess of that figure. (Applause.) This work of organisation has to go forward. (Renewed applause.) Moreover, if it is to be done properly, you must pay your workers properly. I will go further than that, and say that if you pay your workers generously for doing a loyal, fine, strong, and useful work, you will find it the very best economy that we can exercise. We need to take care that we get good men, who will produce an effective form of organisation.

LOSS ON PUBLICATIONS.

We have had 420*l.* less revenue than in the preceding year, and we have spent 968*l.* more, the increased expenditure being divided between the "Journal," the School, and

the North British Branch. In regard to the first, it must be remembered that the official organ has been made the medium to a larger extent than ever before in instructing members with regard to Parliamentary work. The period covered by the accounts, which we are now speaking of, is characterised by a series of matters of exceptional interest. At any rate, you may be assured that the 570*l.* additional cost in the production of our "Journal" is not due to any sudden burst of editorial extravagance, but represents an increase on the normal year. I shall be keenly disappointed if my successor is unable to report that the official journal during 1909 has cost less and has been appreciated more. The publications issued in connection with the "Journal" include the "Annual," "Pharmaceutical Formulary," and the "Pocket Book." All these are most helpful to the pharmacist. Whether they well paid for themselves I would not like to say to the sum of half-a-crown, but to all intents and purposes they have not cast any financial burden upon the "Journal" account. The Council does not seek, and I think very wisely, to make a profit on these publications. It is content if it can place within the reach of every member, without serious increase in the expenditure, such scientific and pharmaceutical information as these productions contain.

THE SCHOOL

has "cost you more"—about 600*l.* more. But for that amount you have spent 896*l.* in a new laboratory, or what is to all intents and purposes a new laboratory. I do not know that I need discuss the question here, as it has been settled by your Council time after time, but there can be no difference of opinion at all that it is absolutely necessary, so long as we continue having a school, that it should be a model school and the best school. The very fact that we have remodelled our laboratory has brought an increased number of students. The laboratory will be, and is, what it was at first intended it should be when constructed—the model laboratory of pharmacy. (Applause.) The money spent in this particular way cannot be quite regarded as thrown away. It is scarcely an expenditure so much as an investment. It is not a loss, but a living security, and we hope it will give to pharmacy handsome dividends in the shape of well-trained, better-equipped pharmacists, and bonuses in the form of good, sound leaders on the Executive body. (Hear, hear.)

THE NORTH BRITISH BRANCH

has cost us 100*l.* more, and 80*l.* of this seems to be due to miscellaneous expenses. The increased expenditure may be taken, in short, to indicate the measure of Mr. Hill's activity in carrying out the work of the Society in Scotland. (Hear, hear.) While we were carrying on the campaign in England and Wales we were also having one carried on in Scotland. That is a matter of history which was alluded to at the time. I myself stepped out of my way to give testimony to the splendid way in which our business is conducted in Scotland, and to suggest that, so far from being an exception to the rule, we are accustomed to have the work of the Society carried out efficiently in Scotland. (Hear, hear.) I suppose I may be regarded as to be blamed for the increase in establishment expenses. You will recollect that the Council, wisely or unwisely, realising the necessity for continuity in our efforts and uniformity in our methods, gave me plenary power to modify and slightly control the course of events in regard to the Poisons and Pharmacy Bill. It was a little dangerous by way of an experiment. At the same time, while giving me this plenary power, I was furnished with a pretty nice assortment of muzzles, which made it practically impossible for me to get far apart from the paths of virtue or get into wrong-doing. I was given a certain amount of elasticity that I used to the utmost, and I am very disposed to think that I did not abuse the confidence you placed in me on that occasion. (Hear, hear.) This dictatorship, if I may so term it, entailed an expenditure of about 300*l.*—220*l.* of which was expended in England and Wales and 80*l.* in North Britain. Considering the work accomplished, the sum is very moderate. Indeed, the proportions of the work done has been great, and I contend that a marvellous amount has been done for a very small sum of money. The expenditure only represents what may be looked for in these progressive times. The North British Branch has

cost us about 110*l.* more than it did three years ago, but in point of fact our work in London is costing us more than it did three years ago. These are most of the points of finance on which I need touch. I am not quite sure that it is necessary for me to say much on

PARLIAMENTARY WORK.

The paragraph which you have before you in the report is very exhaustive, and it is a very nicely condensed and accurate history of our Parliamentary proceedings during the year. It is scarcely necessary that I should do more than make a passing comment on it. Under the heading of "Legal" I should draw your attention to the fact that the Council has found it necessary to authorise proceedings under the Merchandise-marks Act in one particular case. The question has come before the Council time after time. As you know, it has been difficult to get at that class of fraudulent dealers who, by keeping out scheduled poisons from paregoric, have been able to escape justice. The paregoric frauds have been common, and proceedings under the Pharmacy Acts have had to be withdrawn when it was found that the paregoric did not contain a scheduled poison. This was growing to be a serious matter, little less than a scandal, and at last this Council decided to act under the Merchandise-marks Act, and we won our case quite easily. (Hear, hear.) I suggest that we have now a proper remedy at law against this peculiar class for fraudulent use. I have no more to say, further than to remark that this is a question, of course, which affects public interests. Nothing could be more unsafe, and it has been alluded to time after time in language better than I can express it, the extreme danger of people who have become accustomed to obtaining paregoric without opium from the class I have referred to. When supplies have been obtained from the pharmacist, and the same doses taken as they have been accustomed to, poisoning has resulted. You will also see that we have not been slow in the matter of protecting the word "pharmacy." It was felt very keenly, and we received a great many communications from various parts of the country, urging that the Council should be alert in this matter, that unless we protected the word "pharmacy" there was a great danger of the word "pharmacist" losing the value which attaches to it. That is to say, it is a difficult thing for a lay member of the community to distinguish between "Jones's pharmacy" and "Jones, pharmacist." It would be safe to say that the ordinary man in the street does not know the difference. We have taken one step in the direction of preventing the use of the term, but how far it will lead us I do not know. We have entered proceedings against one unqualified person who described his place as "pharmacy," having ascertained that he sold poisons, and the case has been decided in our favour. It will again come forward in the shape of an appeal, which, I hope, will settle this very much vexed question. I merely mention that to let you see that the Council is fully alive to the interests of the members, and we are not caught more than we possibly can help.

POISON-LICENCES.

Concerning the Bill which has just passed, you know it has been an eventful time for us—full of worry and anxiety. I cannot help expressing my opinion that, with the exception of the agricultural poisons clause, which is a serious discount, the Bill is a magnificent one. That is my opinion. Every point of it is a gain on what existed before the Act was passed. We have lost nothing, and that is something to consider. In discussing the question of Section 2, I am bound to say that I am conscious of a certain element of betrayal—I mean that we were induced to modify very considerably our position in consideration of the fact that it was fairly and clearly laid down that the licences to unqualified persons should only be granted in such districts as it could be shown the ordinary chemist did not exist for the supply of these poisonous compounds. One cannot help but see—looking over the papers and our own trade-journals, and keeping in mind the enormous number of applications being made in country districts, not only in remote localities, but in populous towns like Manchester, Liverpool, Birmingham, and Warrington—that it is difficult to understand the state of mind which could induce a committee to argue that there is any diffi-

culty in obtaining poisonous sheep-dips and that kind of thing in a town where there are half a dozen chemists. I want you to understand that, so far as is appropriate, the Council has watched this matter, but chemists should understand that any opposition to the granting of these licences is distinctly a personal matter, resting with the chemist in the town in which he resides, and it is impossible for this Council—quite inappropriate—to conduct any such defence of the pharmacist. The Council might, when approached, give such information as it is in its power to supply, but it is quite impossible for the Council to go down to Liverpool, Manchester, Birmingham, and Warrington as the opponent of these licences. In point of fact, my experience is that the absolute position of the aggrieved chemist is that he himself should appear before the Watch Committee of the town or city in which he resides and point out that he will be injured by the granting of the licences, in so far that he has been selling, and will continue to sell, the poisonous compounds to which they refer. My opinion is that you will do more good by going in person and acting as spokesman in your own interests. I had a telegram this morning which has given me a considerable amount of pleasure. It states that the Watch Committee of the Warrington Town Council last night refused to grant any licences. ("Hear, hear," and applause.) In view of the fact, gentlemen, that some three or four weeks ago, even before April 1, and actually before the Order in Council had been issued and the regulations known, licences were actually granted, you will see that my trouble has been not only to do but to undo. The licences were proved to have been illegally granted, inasmuch as they were granted before April 1. It has been my business to make such representations to the Warrington Town Council as have induced them to refuse to grant any licences. (Hear, hear.) The Watch Committee heard what I had to say, and had little difficulty in fairly marshalling my facts, giving them a history of the Arsenic Act, indicating how years ago, in our own town particularly, the free use of arsenic had resulted in an extremely high number of poisoning cases—both criminal and accidental. I brought all these facts to their knowledge, and finally asked, "Do you think you are conferring any benefit upon the community of Warrington by making it still easier for them to obtain poisons for agricultural and other purposes?" I would suggest that the man who thinks he is likely to be aggrieved by the granting of these licences should carefully put the case before the authorities, showing that he sells these poisons. This will do more good than engaging the services of a barrister or a lawyer, no matter how able he may be, to state the case for you. (Hear, hear.) I do not know that I need occupy your time with anything further, except to say that I do hope that this new Act of ours is going to help us. Give it a chance. Apathy, gentlemen, is really your predominating evil. ("Hear, hear," and applause.) Of course, I do not mean you gentlemen here who take the trouble to come to our meetings. You are not the people to be lectured, but those who refrain from coming. There is a tendency to be apathetic in considering this Act of ours. It is quite easy to make it the very salvation of the trade. It is also quite easy to ignore it until it becomes a dead letter. I am delighted to say that the title "Pharmacist" which has been conferred upon the individual chemist is exceedingly popular. In my own district in Lancashire it is undoubtedly very popular, taking on very well indeed with the community. The whole business of the Council during the last year has been to secure the title for the individual. Shortly, you have had, through force of circumstances, to give up the title of chemist, which may now be used by companies, but instead you have a title which is absolutely yours and only intended for the individual. Do not use it in connection with a company. I know several instances in my own district where already they are beginning to associate the word "company" with pharmacist. That is a serious mistake, and can only lead to disaster. If two or three pharmacists join together and use "pharmacist" in connection with the company they will find it difficult to prevent limited liability companies at whom I have hinted doing the same thing. In other words, live up to the new ideas. Of course, no one suggests that we carry on our business for pure fun or philanthropy. Nothing of the kind. But it is

true there is something more than a spirit of commercialism in our work. (Applause.) True pharmacy is a work that we need have every reason to feel proud of, and that we should take care not to degrade. It must give you, as it gives me, a severe shock to go down the streets of some of our big towns and find the pharmacist, a title which should indicate skill in pharmacy, knowledge of chemistry and botany, which should indicate the accomplished, well-read man of whom I spoke last night, reduced to the level of the grocer, the huckster, or the market shopkeeper. That is what I call degrading the title of pharmacist.

We have, under the heading "Parliamentary," made our acknowledgments to the gentlemen who have helped us during the passage through Parliament of the Poisons and Pharmacy Bill. You will agree that we did at any rate one wise action when we secured the services of Mr. Glyn-Jones as our Parliamentary Secretary. (Applause.) Nobody will contend that we made any mistake there. At any rate, I can only say that if I had not had Mr. Glyn-Jones's assistance and the loyal support of the Council, the task would have been a very severe one for me. Then, as to our old friends Mr. Winfrey and Mr. Idris—(applause)—we cannot forget the services which they rendered to us. And there is notably Mr. Snowden, one of the most accomplished members of the Labour party, and one of the best men in the House of Commons. (Applause.) From first to last we have had from him the utmost sympathy. Then there is Mr. Stanger, who spoke so ably and effectually in support of our case at the meeting at the Privy Council Office. I am sorry that we were deprived last night of the company of Mr. Herbert Samuel. Mr. Herbert Samuel is a gentleman so well thought of by all sides of the House that we forget politics when we think of him. I have no hesitation in stating that he is so well thought of and so popular among those of all shades of opinion, that he was able to accomplish what a less dexterous and less popular man could not have done. (Applause.) That is all I have to mention, except that the obituary list records among the losses we have sustained during the year the death of Mr. Flux, our solicitor, who sat there for so many years in the chair now occupied by Mr. Quarrell. I propose that the annual report and statement of accounts be received and adopted. (Hear, hear.)

The VICE-PRESIDENT seconded.

DISCUSSION.

Mr. SHENSTONE, referring to the granting of poison-licences, asked if it is wise to rely entirely on chemists of the locality to influence the authorities. His experience as a member of a local authority for twenty years had taught him that those bodies are much more likely to be influenced if approached by an outside society. He suggested that the Pharmaceutical Society should in every case communicate with the local authorities as to the intentions of the licensing clause of the Poisons and Pharmacy Act, and point out the danger of granting poison-licences too freely. He remembered how in a similar instance the Society of Public Analysts communicated with the local body with which he was connected, and their views received the most careful consideration.

Mr. DOUGLAS, reading the paragraph of the annual report in which the present session of the School was referred to as "one of the most prosperous and successful on record," said he should like to know the actual number of students and also what was the real cost of the School. The difference between the receipts and expenditure seemed to be 1,856*l.*, and he would like to know if this sum, divided by the number of students, would give the cost to the Society of each student. In his opinion this money would be better spent by paying a university college, such as King's College, to undertake the work. Many of the students who pass through the School leave the trade, and many do not reflect any credit on pharmacy. (Oh, oh!) There are many members present who have not been educated at the Society's School and yet reflect very great credit on the Society. Mr. Glyn-Jones is a case in point. (Hear, hear.) If the money spent on the School were devoted to a Parliamentary Fund, the trade would derive greater benefits.

Mr. KNIGHT, in a chaffing spirit, referred to the proposals of the Budget, stating that many Nonconformist ministers

drink large quantities of ammoniated tincture of quinine, and will have to pay more for it. The feeling is abroad that the greater part of the 1868 Act has been thrown away, and he could not help thinking that if the Council had grasped the nettle of title before they would have done better. To prosecute some poor old woman under the Merchandise-marks Act for selling paregoric without opium, and leave the big companies untouched, seemed to him like taking a steam-hammer to crack a nut. The neglect was not perhaps due to the present occupant of the Presidential chair, but probably took place in the Magnesian period; anyhow, there has been great laxity somewhere. He noticed that there is quite a number of lady pharmacists entering the ranks; well, there have been too many old women in pharmacy, and he trusted these young ladies would improve matters. Many chemists are "poor in spirit" and if they can be roused, galvanised into action so that chemists can present a united front to Parliament some good will have been accomplished. Finally Mr. Knight referred to Mr. Philip Snowden, who, notwithstanding his politics, had shown more intelligence in the pharmacy laws than any member of the other House. (Hear, hear.)

Mr. WRIGHT said the School of Pharmacy is purely a technical school, and, as he could testify from experience, the education given at King's College would not be fitted for pharmacists. By this he did not wish to depreciate University education, as he considered such education gave the student a broader outlook on life.

Mr. FINEMORE said that education was one of the objects of the Society, and by abandoning the school the Society would be giving up one of the chief educational instruments.

Mr. PENTNEY, who was received with applause, said he should like the dinner to be held after the annual meeting, instead of on the night before. Democracy is moving along, and the movements of the Society must be in the direction of democracy. He considered the guinea dinner a relic of barbarism. Whoever gets the profit from such a dinner? No one can possibly consume such an amount of food.

Mr. BARRETT: Is this in order, Mr. President?

THE PRESIDENT: Mr. Pentney is getting along so nicely that I do not like to interrupt him.

Mr. PENTNEY said his contention is that this dinner accounted for the paucity of the attendance at the annual meeting. The Council has had troublesome waters to pass through during the year. He noticed that some of the members of the Council took different views on some subjects, and he respected men who held opposite views. He considered, however, that some of the President's colleagues should have known better than to talk about "giving away titles" and make similar accusations. Such a charge was made either through ignorance or to throw dust in the eyes of those to whom the remarks were addressed. The charges had not been withdrawn. If Mr. Lord Gifford makes these charges in ignorance, he is not the right man for the position he occupies. What is wanted are intelligent men who are worth their railway-fares. If the accusations were made to throw dust in the eyes, Mr. Gifford would still be unworthy of the position he occupies. He (Mr. Pentney) felt rather keenly on this matter. By all means criticise, but let them have fair play all round. The Act has passed with all its benefits. He regretted that there is no mileage-limit in the granting of poison-licences; more efforts should have been made in that direction. His experience in lobbying had shown him the great possibilities that were open to chemists, and he thought the opportunity should be taken to promote a Bill to make it illegal for dispensing to be done in a doctor's surgery by any but qualified persons. Self-preservation is the first law of human nature, and from what M.P.s had told him, he thought there would be little difficulty in passing such a Bill. There is work for Mr. Glyn-Jones when he is a M.P.—and he will be, if chemists are not too blind to their own interests. Referring to the services of Mr. Idris and Mr. Winfrey in the House of Commons, he said their efforts would not have been so valuable but for Mr. Glyn-Jones. Then, after another "dig" at Mr. Gifford, Mr. Pentney abjured his brother chemists not to be content with what they had got, but to press on for more. Inspectors should be appointed to search every street, and the Council should prosecute all those found to be selling poisons without possessing the necessary diploma.

Mr. HIGGS, referring to the smaller number of legal cases (453, against 533 in 1907), asked whether the Council had been less active, or whether the law had been better obeyed. Inspectors should be appointed to see that the Act is better carried out. He demanded that the Minor examination should be divided without delay, and gave an instance in which he said a candidate's failure was due to an impediment in his speech, which was brought about by nervousness or cross words from an examiner.

Mr. A. P. BARNARD said the Society was established in 1841 for advancing chemistry and pharmacy, promoting a uniform system of education, and protecting those who carry on the trade of a chemist and druggist. As the Pharmacy Act, 1868, had not then been passed this could not have referred to prosecutions, but must have been ordinary trade interests. On this account he brought forward the question of the effect of the Budget on the chemists of the country. The extra tax of 6s. 6d. per gal. on rectified spirit is a most important question to retail chemists. He had hoped the Pharmaceutical Society would have been as much alive in the matter as the Pharmaceutical Society of Ireland, which at its last meeting decided to send a petition to the Chancellor of the Exchequer. If the matter had been entrusted to Mr. Glyn-Jones something would have been done.

Mr. GLYN-JONES: May I interrupt the speaker a moment to say that the Council, at its last meeting, gave me full authority to act in the matter?

Mr. BARNARD said his point was that trade matters are more important than scientific matters, and should have the first claim on the consideration of the Council.

Mr. WOOLCOCK spoke on the subject of organisation. The sum spent on organisation was larger than had been spent in previous years, but was not nearly large enough. The Society should divest itself of the petty parochialism to which it clings so tenderly, and spend larger sums on organisation than it does at present. The man who spends moderate sums on advertising wastes his money, and it is the same in organisation work. If more money were spent, more revenue would result. No scheme of organisation would be of much avail which did not take into account local Associations. In regard to poison-licences, he endorsed much of what the President had said about local influence; but there are some questions—such, for instance, as the personal nature of licences—which the Society should take up. The question of the abatement on alcohol used in medicine looks, on the face of it, an alluring question, but if one only touches the subject in the slightest degree the difficulties of the position become apparent. If chemists were less educated and better organised it would not be the chemists who would pay the extra charge—it would be passed on to the customer. It should not hurt chemists at all, and would not if they were better organised.

Mr. G. B. BARNARD said it looked as if, from the report of the last Council-meeting, that Dr. Symes was the only councillor to grasp the situation on the matter of the spirit-tax. He (Dr. Symes), while not averse to Mr. Glyn-Jones doing his best, wanted his efforts backed up by means of a deputation to the Chancellor of the Exchequer. He (the speaker) thought that Divisional Secretaries might have been called together to talk over the matter, and have then submitted their views to members of Parliament. He had four letters from M.P.s promising to do their level best to assist chemists in this matter, and he would have liked every chemist to have written to their member on this matter. According to the President, a chemist who cannot get back the extra charge for spirit-duty from the public is "outside the pale of ordinary business capacity." He (Mr. Barnard) confessed that he must be in that category; he cannot get back the extra charge. When a customer comes in for a pennyworth of essence of peppermint, is he to explain that the charge is now five farthings? (A voice: Give less.) Mr. Barnard then quoted the remarks of Mr. R. A. Robinson at the dinner on the previous evening as to the impossibility of getting any of the extra charge out of the public, and asked, in the face of opposite opinions, which one is to be taken as correct? (A voice: The President.) It is not yet too late to call chemists together and decide on a course of action. At present chemists are acting separately; what is wanted is cohesion—they should all pull together.

Mr. BARRETT hoped the Council would see their way to providing a more comfortable room in which to hold the annual meeting. There are several other suitable rooms in the building. He had held the opinion for some years that the school is an unnecessary expense to the Society. It occurs to one that if 50 per cent. of the successful candidates at the examinations do not pass through the school it must be unnecessary to spend so much money on the rest of the candidates. The money is needed for organisation. There are thousands of men who have not been through the Society's school who look with disfavour on the spending of so much money on the school. In regard to the title "chemist," it has not been "given away," as chemists have never had the sole right to use it. Now that the word "pharmacist" is definitely reserved, he hoped it would be used in such a way as to provide a valuable asset for future generations. Mr. Barrett also referred to poison-licences, and said that present circumstances show the necessity for the appointment of inspectors; do not let them trust to local Secretaries. If the school is abolished, there would be plenty of money to provide inspectors.

Mr. GIFFORD, referring to Mr. Pentney's remarks, said he had always courted opportunities in open council to make explanation of his line of action. He desired to give members of the Society the fullest explanation of his position.

Mr. PENTNEY: That is not a reply to my question.

Mr. GIFFORD: I do not intend to reply.

Mr. PENTNEY: I did not expect you would. (Laughter.)

Mr. ROWSELL explained that some of the speakers, in referring to the cost of the school, had included the capital expenditure on the new laboratory. The loss had really been much less. He added that the Society would need laboratories in which to conduct the examinations, even if it had not a school.

Mr. GLYN-JONES said, in reply to those gentlemen who have put him forward as an example of one who has not passed through the Society's school, it is only fair to state that Mr. Bottle told him when he passed the examination that he had got "over the stile, but had very little to spare on the other side." (Laughter.)

Mr. DOUGLAS: I much regret I made the statement.

Mr. PENTNEY: Never mind hitting Mr. Glyn-Jones; he doesn't mind. (Laughter.)

THE REPLY.

The PRESIDENT thanked the members for their frank, free, and numerous criticisms. (Laughter.) The criticisms had in a manner neutralised each other, as they generally did if one gave rope enough. In the matter of opposition to the granting of poison-licences, it is the experience of the office that where individual chemists have laid their case before local authorities success more frequently follows than if a solicitor is employed to act for them. The object of the Parliamentary Fund is to have money available for purposes for which the Society's funds cannot be applied. The question of the school has been before the Council many times, and the decision has invariably been arrived at that the time is not opportune to give up the educational work of the Society. The appointment of inspectors has been mentioned. At present the Council only takes cognisance of cases brought before them, and many of these cases have to be considered in their legal aspect in consultation with the solicitor. The Council is often advised that the cases are not suitable for prosecution. The number of prosecutions, moreover, does not represent all the cases investigated. He added that he did not share any feeling in regard to the difference of opinion expressed by Mr. Gifford; on the contrary, there are no better friends than Mr. Gifford and he.

Mr. PENTNEY: I share no animosity. I only want him to withdraw his remarks. (Laughter.)

The PRESIDENT, continuing, said that Mr. Woolcock had delivered his usual address on organisation, and he would add that the remarks will have due consideration by the Council. The last word has not been said regarding organisation, and his successor would take up the matter again. He hoped the members, in criticising the Poisons and Pharmacy Act, would remember from what they had been saved. When the Bill went to the House of Lords the clause included all poisons which could be used for

agriculture and horticulture. Imagine what would have happened if the clause had passed in that form—everything in and out of the British Pharmacopœia would have been construed by local authorities as being a poison under the Act. It is not necessary to tell them to whom they are indebted for the improved form of this clause. (Hear, hear.) He had said it before, and he repeated in cold blood, that it will take quite two years to settle the points raised by the division of the Minor and the establishment of a curriculum. He would like the members to fully realise that the Council are fully alive to the question of the increase in the spirit duty. It would seem, from the report of the last Council-meeting, as if Dr. Symes was the only member fully alive to the situation. Dr. Symes's speech was only to the same effect as was decided the night before.

Dr. SYMES: I take exception to that statement.

The PRESIDENT, continuing, said that at the committee on the evening before the Council-meeting it was decided to give Mr. Glyn-Jones a free hand, which includes the sending of a deputation to the Chancellor if though necessary. In regard to this matter he said that Mr. Glyn-Jones is requiring statistics at once of the approximate quantity of rectified spirit used by chemists. He would therefore be much obliged if those at the meeting would, on passing out of the room, leave a note of the quantity of spirit they use in the course of the year. The date required only refers to alcohol *per se*, and not to tinctures.

Mr. HIGGS: You did not answer my inquiry regarding the superintendents' names being published.

The PRESIDENT said this is an important matter, which had not yet been considered by the General Purposes Committee. The register would doubtless be open for inspection, but as regards publishing the list, this must be left to the decision of the committee. The President then concluded with a few words thanking the members for the forbearance they had shown during his term of office. "When one is in the lime-light of publicity," he added, "the pimples and spots show up to an exaggerated degree. It may be that my mental qualities have come out the same under the caustic criticisms of the members. I hope I have not lost any of my friends. Anyhow, I would like you to remember that your President from the little dingy town of Warrington has tried to do his best for you." (Cheers.)

Mr. BARRETT moved that the best thanks of the meeting be given to the President for his services to the Society. He referred in warm tones to the great diplomacy shown by the President.

Mr. J. P. GILMOUR, in seconding, said he relished an outspoken man, and appreciated the sincerity of the President's character. Few men could have conducted such delicate negotiations with success as he did.

Mr. PENTNEY supported the motion, and on being put by the Vice-President, it was carried *nem. con.*

The PRESIDENT briefly replied, and then called attention to the ballot-box and registers.

The scrutineers, who have to count the votes for the Council election, were then appointed, and the meeting adjourned till Thursday.

ADJOURNED MEETING.

The scrutineers, under the chairmanship of Mr. W. F. Gulliver, occupied most of Thursday in counting the votes. At 3 o'clock the announcement of the result of the Council election was made, the Vice-President (Mr. J. F. Harrington) being in the chair. The following are the figures, the first seven candidates being elected:

E. T. Neathercoat	...	...	...	2951
W. Hills	...	...	...	2889
C. B. Allen	...	...	...	2801
W. G. Cross	...	...	...	2736
A. S. Campkin	...	...	...	2645
D. Gilmour	...	...	...	2642
F. J. Gibson	...	...	...	2536
C. Symes	...	...	...	2516

The number of voting-papers sent out was 6881, of which 3733 were used by members and returned. There were sixty-three papers disallowed, twenty-five being received too late. The usual vote of thanks was given to the scrutineers.

Association Affairs.

Brief Records.

Bolton Chemists' Association.—At the last meeting of this Association it was resolved that the Town Clerk be informed that the Association object to the application of a local seedsman for a poison-licence on the grounds that the public requirements are already met by the qualified chemists in the district. Mr. Neathercoat's candidature was approved.

Salford Pharmacists Association.—A meeting was held at the Cattle Market Hotel on Thursday, May 13, Councillor Jones in the chair. The first business was the selection of a committee; then the Budget proposals were discussed. It was agreed to advance the price of all tinctures, spirits, and essences by $\frac{1}{2}$ d. per oz. It was unanimously decided to close on Wednesday evenings at seven o'clock, commencing in June.

Paper-making.—The members of the Dundee and District Chemists' Assistants' and Apprentices' Association visited the paper works of Messrs. D. M. Watson, Bullionfield, Ltd., on Wednesday, May 12. Mr. C. M. Watson conducted the party, and explained in a very clear and interesting manner the various processes in the manufacture of paper. He showed also the means used for recovering the caustic soda from the liquor left from the boiling tanks.

Price of Tinctures.—A meeting of the Sunderland Chemists' Association was held at the Grand Hotel last week to arrange that there should be a uniform advance in the retail prices of tinctures owing to the advanced duty. After a long discussion it was decided that there should be no recommendation from the Association, as members could best decide for themselves. As the Watch Committee of the Town Council were considering applications for poison-licences, it was agreed that nothing further could be done until their decision is known.

Ulster Drug-trade Association.—On May 13 a meeting of this Association was held at the headquarters of the Chemists and Druggists' Society of Ireland, 11 Waring Street, Belfast, to consider the proposed increase in the spirit-duty and the advance in wine-licences. Mr. W. C. Dobbin, of Messrs. Wm. Dobbin & Co., North Street, occupied the chair. After discussion it was resolved that a sub-committee be appointed to draw up and forward a letter to the Chancellor of the Exchequer and the members of Parliament for Belfast and North of Ireland setting forth the views of the Association as to the Budget proposals, and urging that the old rate of 2*l.* 10*s.* per annum should be continued for those chemists who sell only wines for medicinal purposes. It was agreed that the members of the trade be recommended to raise the price of all tinctures and spirits.

Leeds Chemists' Association.—The annual meeting of this Association was held on May 19. Mr. F. Pilkington Sargeant was in the chair. The annual report and balance-sheet were adopted. There is an adverse balance of 4*l.* 9*s.* 9*d.* on the accounts. The election of officers resulted in the re-election of Mr. Sargeant as President; Messrs. J. H. Beacock and W. D. Pollitt, Vice-Presidents; Treasurer, Mr. Horner; Hon. Secretary, Mr. Bentley. It was proposed by Mr. Kirk that membership of the Association be confined to qualified chemists but the resolution was defeated by a large majority. Mr. Branson raised the question of the proposed visit of the British Pharmaceutical Conference to Leeds in 1910. He regarded it as a mistake to put the responsibility on to the West Riding Federation. A resolution was proposed that the Leeds Chemists' Association convey the invitation, but this was defeated by a large majority.

Bournemouth Pharmaceutical Association.—A meeting was held at the Gervis Hall Restaurant on May 12, Mr. J. A. Haynes (President) in the chair. There were also present Messrs. Bilson, Rose, Botham, Ridley, Toone, Hornby, Akhurst, J. L. Robinson, Reid, Graham, Lodder, Hardwick, Andrews, and Bingham (Hon. Secretary). Mr. F. W. Hassleby (Christchurch) was elected a member. The meeting had been called to consider the Budget proposals as they affect pharmacists, and after considerable discussion it was decided that the Association recommend its members to raise the retail prices of spirituous preparations by at least 10 per cent. The subject of medicated-wine licences was also discussed, and the Secretary was instructed to write to Mr. A. A. Allen (M.P. for Bournemouth), Mr. R. Winfrey, M.P., and Mr. T. H. W. Idris, M.P., also to the Pharmaceutical Society, asking them to endeavour to obtain some relief from the spirit-duty.

The Budget.—A special meeting of the Council of the Drug Stores Association of Great Britain was held at Cowbrough's Restaurant, Leeds, on Wednesday, May 12, to discuss the effect of the Budget. Mr. W. Huntrods (President) stated that he had communicated with the Chancellor of the Exchequer, urging that the increased duty should not be placed upon spirituous medicinal preparations, and that the restric-

tions placed upon medicated wine-licences should be removed or the cost of the licence reduced. He believed that some concession would be made. It was decided not to advance the price of spirituous preparations pending the result of the negotiations. The President stated that the issue of the annual report had been somewhat delayed in consequence of the pressure of other work and the compiling of a register which is now well advanced. He hoped the report would be out in a few days.

Newcastle-on-Tyne Pharmacists' Association.—A special meeting of the Association was held on May 12 in the Hotel Métropole to consider what action should be taken regarding the imposition of the new duty on spirit. Mr. Clague presided. Mr. J. W. Crake, who opened the discussion, said the chemist is frequently a target to be fired at, and in the new spirit-duty he is going to be severely hit. It is easy for the wholesaler to raise the price of tinctures, etc., but it is difficult for the retailer to do so. He suggested a deputation to the Chancellor of the Exchequer asking him to exempt from duty spirit used in medicine. Mr. Noble thought the prices might be raised. Mr. Buckley thought it would be a waste of time to try to do anything with the Chancellor, and Mr. Gibson thought action should be taken through the Federation. Mr. Clague said the Federation is practically defunct. Messrs. Atkins, Kerse, Gilderdale, Blyth, Wyatt, Russell, and Forster also spoke. It was decided to send a letter to Mr. Lloyd George on the subject and to the members of Parliament for the borough.

Croydon.—A well-attended gathering of the chemists and druggists of Croydon and district was held at Croydon on Wednesday evening. Mr. H. Paget Matthews, of George Street, Croydon, presided, and explained the object of the meeting—to form a Society of properly qualified pharmacists, in business or otherwise, to discuss matters interesting to the profession and the promotion of good fellowship. Mr. H. Paget Matthews was elected President, and in acknowledging the compliment promised to do his utmost to see the Society through. Mr. Dix, sen., Croydon, and Mr. F. W. Peck, Streatham, were elected Vice-Presidents, and Mr. D. P. Roberts, Croydon, Treasurer, Messrs. Dickinson and Noble (joint secretaries), and members of committee: Mr. Atkinson (Norwood), Mr. Dix, jun. (Croydon), Mr. Knight (Purley), Mr. Noble (Wallington), Mr. Shaw (Thornton Heath), Mr. Holmes (South Croydon), Mr. Makepeace (Sydenham). The annual subscription was fixed at 7*s.* 6*d.*, and it was agreed to inaugurate the establishment of the Association by a dinner in June.

Harrogate.—The annual meeting of the Harrogate and District Pharmaceutical Association was held at the Salisbury Hotel on Friday evening, May 14. Present: Messrs. T. E. Handford (President, in the chair), Hines, Pattison, Ridge, Fenn, Atkinson, Halliday, Weston (Treasurer), and Southwell (Hon. Secretary). The Secretary's and Treasurer's reports were read and adopted, and the financial position of the Association was shown to be in a very satisfactory state. Mr. Smeddles and Mr. Woodhead were elected members. On the proposal of Mr. Handford, seconded by Mr. Atkinson, and unanimously supported by all present, Mr. H. G. Mitchell was elected President for the session 1909-1910. Mr. G. Weston (retiring Treasurer) proposed that Mr. Fenn take that office. Mr. Atkinson seconded, and it was carried unanimously. Mr. C. B. Southwell (Knaresborough) was re-elected Hon. Secretary and Mr. Atkinson auditor for the coming session. Messrs. Weston, Eynon, Pattison, and Halliday being elected to act as committee. A cordial vote of thanks was given the retiring officers, especially to Mr. Handford for the splendid manner in which he had carried through the work of the Association during a very important session.

National Union of Assistant Pharmacists.—A meeting of the Bristol branch was held on Thursday evening, May 13, Mr. Findlay in the chair. A report was submitted by those who attended the Birmingham meeting on Good Friday, and the Shop-hours Bill was discussed, the following motion being passed:

That this meeting of the Bristol Branch of the N.U.A.P. urges upon his Majesty's Government the pressing need to include the workers in chemists' shops within the scope of the promised Shop-hours Bill and begs to point out that no body of workers suffer more from the evil of excessive hours than employés in pharmacy.

Copies of this resolution have been sent to the Prime Minister, the Home Secretary, and Mr. H. Samuel. Letters in regard to it have been sent to the Leader of the Opposition, the Chairman of the Labour party and the President of the Pharmaceutical Society. Each member was requested to communicate with his local member of Parliament.—A meeting was held at the Liverpool College of Pharmacy, Colquitt Street, Liverpool, on May 14, Mr. H. Jones in the chair. Among others present were Miss P. H. Thomas, Messrs. G. E. J. Sendall, A. G. Giles, H. E. Digby, T. Ashworth, B. Whalley, E. A. Stewart, Jas. Waldron and J. B.

Waldron (Hon. Secretary *pro tem.*). The Hon. Secretary read the objects and rules of the Union, after which the Chairman opened a discussion, and a resolution was passed for the inclusion of unqualified assistants in the Union.

Torquay Pharmacists' Association.—The annual meeting was held at the Pavilion Hotel, Torquay, on Tuesday, May 11, there being present Messrs. J. Young (President), Horner (Hon. Secretary), Knight (Hon. Treasurer), Quant, Douglas, Cutmore, and Burgoyne. The President dealt with the various questions which had arisen during the past year and paid a touching tribute to the memory of Mr. Rawling, a former president. Mr. Horner spoke hopefully of the future, and Mr. Knight reported an increased balance in hand. The retiring officials were thanked for their services, and for the ensuing year the following were elected: President, Mr. J. Young; Vice-President, Mr. Ness; Hon. Secretary, Mr. R. Horner; and Hon. Treasurer, Mr. Douglas. Upon the suggestion of Mr. Quant the name of the Association was altered to "Torquay and District Pharmacists' Association." Mr. Knight raised a question as to whether it would be possible under the new Act for the manager of a drug-store to exhibit in the window a sign such as "John Jones, PHARMACIST." If so, he thought chemists had not benefited much by the new Act. It was decided to appoint a sub-committee to act as a deputation to the Town Council in case any seedsmen apply for a licence under Section 2. The increased spirit-duty came in for strong condemnation, the President reporting that he had sent a telegram to the Chancellor of the Exchequer as follows: "Abatement for chemists urged."

Reminiscences of Pharmacy.—A meeting of the Bath Pharmaceutical Association was held at the Literary Institute on May 13, when the President (Mr. E. W. Loveless) gave a paper on "Reminiscences of Pharmacy in Bath." The paper dealt with changes in proprietorship which forty-three pharmacies in Bath had witnessed from 1863 to the present time. Of these, Mr. Loveless says, about thirty still struggle for existence. Several interesting annotations were appended, of which the following are examples:

No. 8 George Street.—Mr. J. C. Pooley as local Secretary to the Pharmaceutical Society in 1870 conducted the Preliminary examinations at his house, when I happened to be one of the successful candidates.

No. 19 Northumberland Passage.—Mr. Potts, who was the pioneer of the penny trade in Bath, at one time did a big business, and was considered a shrewd man of business. On one occasion, when complimented on the quality of his spermaceti ointment, he replied, "Yes, there is great virtue in lard."

No. 14 New Bond Street.—In this establishment a customer was poisoned through being given the wrong medicine, and for many years afterwards the following notice was painted on the beam of the shop ceiling: "In this establishment no apprentices are taken, experienced assistants only being employed."

No. 40 Southgate Street.—Mr. J. W. Barnes, surgeon and apothecary, was a noted character in his time, who did not believe in doing anything in a hurry. It was said of him that he would give a pull at the tooth and then walk round the room and then return to the patient for another pull, and so on until the operation was completed.

Dundee Pharmacists' Association.

A MEETING was held at Mathers' Hotel, Dundee, on Thursday evening, May 13, Mr. R. M. Lindsay (President) in the chair.

SHOP HOURS.—In connection with the half-holiday movement the Chairman said that the hours in retail pharmacy are deplorable compared with those of other shopkeepers, being not less than seventy-three hours per week for qualified assistants. They did not ask retail chemists to close during the whole year; they merely wished, as an experiment, during four months of the year—June to September—to close their shops for the day at three o'clock on Wednesday afternoons. Ninety-six per cent. of the chemists of Dundee were with them, and, in the expectation that by the next meeting the minority would join them, the matter was postponed until then.

SPIRIT-DUTY.—The Chairman also referred to the increased spirit-duty, which, in the case of the retail chemist using 24 gals. of rectified spirits a year, will cost him about 10% extra. The increased cost to Dundee Infirmary per annum was estimated at between 160% and 180%; for Edinburgh Royal Infirmary and Sick Children's Hospital it was 500% per annum, and for Glasgow Infirmary, Glasgow outdoor dispensaries, and at Glasgow parochial institutions

the increased charge was estimated at between 800% and 900% per annum. In the case of Aberdeen Royal Infirmary the estimate of the increased expenditure was 160%. Mr. James Ferrier moved:

That the attention of the Chancellor of the Exchequer and of the local members of Parliament be called to the injustice towards infirmaries and hospitals by the increased tax upon alcohol, and that it was desirable to exempt the same on account of the increased expenditure that would be necessary by these public institutions.

Mr. John Doig seconded. Mr. John Anderson moved that no action be taken in the meantime. Mr. Walker (Downfield) seconded, and on a division, the motion was carried by 16 votes to 5.

After discussion it was resolved, on the motion of Mr. Charles Young, seconded by Mr. John Thomson, that the retail price of tinctures and perfumes be increased from 1d. to 2d. per oz., but that no extra charge be made on physicians' prescriptions unless in some cases where it might be found necessary.

Hartlepool Chemists' Association.

THE ANNUAL MEETING was held at the Grand Hotel on May 13, Messrs. Clarkson, Barker, Ferry, Timmins, Gibson, Denton, and P. H. Gamlen (Hon. Secretary) were present.

REPORT.—The Secretary presented his second annual report, in which he with striking candour said that—

During my second year's secretaryship several meetings had been held, but the result of them has been so unproductive of any good that I have not thought it worth time and trouble to make lengthy references to them. The committee is only a paper committee, not one committee-meeting in the twelve months having been held. Subscriptions have come in badly, some few members must be under the impression that the 5s. subscription is the Secretary's perquisite, so difficult has it been to get their money, entailing in many cases several calls, and some would not part at all. Our respected President has been an encouragement in a thankless undertaking; unfortunately he is but one person, and where the Association is for all even this is not much satisfaction. We had our annual outing, which, as far as the weather was concerned, was a great success. Had twice as many attended this outing the work and expense in getting it up would have been the same, but the same apathy was displayed in this as in everything else. The few who did attend, however, appeared to enjoy the visit to Knaresborough and its many historical institutions. There was a meeting arranged in November with the Teesside Association to be held in Stockton. The object of this meeting was to meet Mr. Glyn-Jones, and have the attitude of the Pharmaceutical Council towards the new Pharmacy Bill thoroughly explained. This, I understand, was satisfactorily carried out, but out of the whole district, with its twenty-five chemists, only two responded. There was some kicking at the Christmas holidays, which went a long way to prove that the holidays were generally and satisfactorily maintained, because it suited the individual members of the Association, but once the discordant element crept in a feeling of "I'm going to do what I like" ensues. On May 28 a really good meeting was called by the President to consider the new Poisons Bill; recommendations were sent through the Secretary to the Privy Council, Chief of Police, and Town Clerks of both Hartlepoons, and although the result spelt failure in its object, yet one had the satisfaction of knowing that at least an effort had been made, and the best thanks of the Association are due to our representatives on the Council, Alderman Clarkson and Mr. Harrison. There is little more to say, excepting that the Association is free from debt, and has no assets, the Secretary having satisfactorily accomplished the latter fact.

Mr. Barker remarked that the same apathy exists in other associations, and that the attendance was not really so very bad.—Mr. Timmins said the Association had accomplished its aim, if only it had succeeded in bringing the different chemists in contact with each other, as instanced in the cordial feeling which existed betwixt all present at that meeting.—Mr. Denton endorsed Mr. Timmins' remarks, and the report was adopted, a vote of thanks to the Secretary being proposed by Mr. Gibson, and unanimously carried.

MR. GAMLEN'S RESIGNATION was regretfully accepted, after an effort had been made to induce him to keep office for another year. A discussion then took place as to who should fill the vacancy, but as so many were ready to take

up the office (*sic*), it was decided that a committee of three should be called to formulate new rules and select a secretary.

SPIRITUOUS PREPARATIONS.—A discussion took place as to whether it was advisable to advance the prices on spirituous preparations, and it was decided not to do so.

London Chemists' Association.

A MEETING of this Association was held in the Royal Horticultural Hall, Westminster, London, S.W., on May 14, Mr. F. W. Truman in the chair. Among those present were Messrs. J. Brown, W. H. Cole, W. Corbett (Bromsgrove), F. J. Foot, J. P. Gilmour (Glasgow), F. H. Glew, H. Miller (Cheltenham), J. T. De Peare, J. C. Pentney, J. S. Simcock, H. Slater, F. Surman, A. S. Thompson, W. A. Walton (Hull), D. White, and J. Wellesley Douglas (Hon. Secretary).

GENERAL BUSINESS.—The proposal to appoint Mr. E. D. J. Griffiths as Hon. Solicitor to the Association was deferred, and the suggestions regarding the reconstruction of the Federation were also left over. Mr. W. F. Mawer was elected to the committee, and Mr. J. C. Pentney appointed one of the two delegates to represent the Association at the meeting of the British Pharmaceutical Conference at Newcastle.

JOINT PROPRIETARIES. Mr. J. P. Gilmour opened a discussion on this subject. He thought that there is no difference of opinion as to the opportuneness of the project. Buying sections, which had been tried at many centres, had the disadvantage that unless carefully managed they are apt to come into conflict with the P.A.T.A. Otherwise they had worked admirably. It was only necessary to go a step further and try co-operative production. At Glasgow a scheme of joint proprietaries had been formulated independently of the one originating in Manchester on Easter Monday. Unfortunately, if there were several small centres the result would not be uniformity, but diversity, and the endeavour was unlikely to be successful. The chief advantage of such a project is that the advertising would be done by themselves and the greatest obstacle to obtaining a reasonable profit would be removed, while it would possess the good will and interest of all concerned. The adversity of the last fifteen years had taught the lesson that they must do more for themselves than in the past. In agreeing upon the scheme it was not essential to give attention to details, but to get the right men, go slowly, and see that all is done in a practical spirit. It was necessary to get an assurance of support from a sufficient number of chemists to justify an experimental endeavour. An obvious need exists for the scheme, and not much capital would be required in the first instance. Mr. Gilmour referred to offers of capital from outside sources, but he would rather confine the capital to themselves, as money from outside would control the business to some extent.—Mr. J. C. Pentney stated that a rival scheme had been already amalgamated, and that "such a stirring among the dry bones of pharmacy" had not been witnessed for some time. The pharmacist had been wandering in the wilderness trying to get a living without profits. He referred to competing with "proprietaries of villainous composition from America, which the chemist has to hand out like a machine at a very small remuneration, if it can be called by that name." A sub-committee had been appointed to draw up a prospectus, which would be submitted to the Executive Committee before issue. He was assured that the Association was going to prosper.—Mr. J. Wellesley Douglas expressed his approval of this scheme, and urged the audience not to be too greedy or talk about revenge. He also pointed out that the chemist was not independent of the wholesale house.—In reply to the Chairman, Mr. Miller explained that the committee recommended a commission on sales for the assistants.—Mr. Walton and Mr. White having spoken, Mr. Pentney moved—

That the General Purposes Committee of the London Chemists' Association be asked to consider and report on the scheme, and, if satisfied, give their hearty support.

The motion was carried unanimously, and votes of thanks terminated the proceedings.

Society of Chemist-Opticians.

At the annual meeting of this Society, held at the Chemists' Exhibition on May 13, and briefly reported in our last issue, Mr. Lionel Laurence read a paper on

THE SCOPE AND LIMITATIONS OF AN OPTICIAN'S PRACTICE, which was much appreciated. After defining the meaning of the word "optician," Mr. Laurence said there is no justification whatever for the claim that it is wrong for the optician to test sight and sell glasses, but not wrong to sell glasses without testing the sight. The lecturer then gave a list of the conditions the optician is likely to meet with which should be referred to the oculist:

Conical cornea.	Severe photophobia.
Loss of accommodation in young people.	Seeing flashes of light.
Undue degree of presbyopia.	Lachrymation.
Rapidly increasing presbyopia.	Stabbing pains.
High muscular insufficiency not due to refraction errors, but to anatomical conditions or abnormal muscular action.	Inflammatory conditions.
Squint.	Discoloured or obscured irides.
Double vision.	Colour blindness.
Reduced field of vision.	Cases where the one eye is blind.
Muscae and floating bodies.	Nititation.
Recent aphakia, unless tested under direction of the surgeon.	Nystagmus.
Large pupils.	Nyctalopia.
Unequal pupils.	Hemeralopia.
Pupils which do not respond to light.	Hemiopia.
Abnormalities of the eye.	Tobacco amblyopia.
Excessive or disproportionate pain or severe headache.	When the sight comes and goes.
	Sudden or transitory loss or diminution of sight.
	Quivering or flickering sight.
	Metamorphopsia.
	Megalopsia.
	Mycropsia.
	Cases not understood.

The main safeguard for the optician is the visual acuity after correction. That is to say, normal vision should be attained in all cases where lenses are prescribed by the optician. The pin-hole, used effectively, is useful for deciding between reduced vision due to refractive error and that due to disease. This is a decisive test, although sometimes the optical results are not good owing to conical cornea, irregular astigmatism, &c., when vision is improved by the pin-hole. There are cases in which eye trouble is but a symptom of organic or nervous disorder, and other cases in which the refraction is but a part of an eye trouble. With respect to purely optical cases, the lecturer held that the following are unsuitable for the optician:

Am., in children generally.	High and progressive
H., when excessively latent.	myopia.
	Spasm of accommodation.

Mr. Laurence made some further remarks of an interesting character, in the course of which he said that "the greater the knowledge of the optician the more he appreciates the limitation of his work." It might appear from the above limitations that there would be hardly any cases left for the optician to treat. This is far from being the fact; the cases mentioned do not form a large percentage of the total number that are likely to come to the optician. The beginning and end of the optician's work are optics. The optician works on light, he bends it and moulds it, before it enters the eye, so that on entry it has that direction or directions suitable for the eye it is provided for. If, however, he suspects conditions which are not the direct result of an optical error the case is one which he should not treat on his own responsibility.

A Council-meeting of this Society was held on the same day. There were present Mr. C. J. G. Bunker, A. Higgs, J.P., H. W. Colley, J. H. Cuff, J. Gibson, F.C.S., J. H. Hopper, F. S. Horsey, E. E. Wolfe, and S. W. Woolley. Mr. J. W. Simpson (London) was elected a member. The following were appointed officers for the current year: President, Mr. H. Fairburn; Vice-Presidents, Mr. J. H. Hopper and Mr. F. S. Horsey; Treasurer, Mr. C. J. G. Bunker; Hon. Secretary, Mr. J. H. Cuff; Auditors, Mr. F. S. Horsey and Mr. S. W. Woolley.

Agri-Horticultural Poisons.

Notices of Application

for licences under Section 2 of the Poisons and Pharmacy Act have been lodged with the local authorities named. The dates appended in parentheses are those of the advertisements, which have to be published before the applications are lodged. The licence is not to be granted until fourteen days after the receipt of the application.

Subscribers and others would oblige us by sending information with reference to applications. Copies of newspapers containing the advertisements of applicants would also be esteemed.

ABERDEENSHIRE.—Jas. Birse, merchant, Leochel-Cushnie and Muir of Fowles.

ASHBY-DE-LA-ZOUCH.—G. C. Maynard, florist.

AYR.—Alex. S. Thom (T. Inmie & Sons), seedsman, High Street.

BAGSHOT (SURREY).—S. Evans, ironmonger.

BALLANTRAE (Ayrshire).—A. & J. McCormick, Duhorn.

BIRMINGHAM.—M. Hughes, Holly Nursery, Edgbaston.

BOURNEMOUTH.—J. Phillips, nurseryman, Westbourne Nurseries.

BRIGHON.—James E. Davis & Sons, seed-merchants, 2 Baker Street.

CHESTER.—P. Burtonwood and Chas. Jones, seedsmen and implement-merchants, 2 Brook Street and The Smithfield.

CUMBERLAND.—J. D. Pearson, Post-office, Ennerdale Bridge.

DARLINGTON.—Mack & Miln, seed-merchants, 2 and 3 Horse-market.

DUMFRIESSHIRE.—Jas. Laurie, merchant, Tynronkirk.

EASTBOURNE.—Fredk. Geo. Miller, 9 Oaklynge Avenue and 1 Elms Buildings; Geo. T. Seott, Upperton Road, Gildredge Road, and Ceylon Place—both nurserymen.

FAVERSHAM.—Thos. Lowton, Ospringe Nursery and 56 East Street.

HAILSHAM (SUSSEX).—J. R. Box and A. Hillman (Wm. Knight), nurserymen.

HARPENDEN (HERTS).—Willis Bros., Ltd., horticultural sundriesmen.

HAYWARD'S HEATH.—R. Humphrey, Muster Green Nursery.

IPSWICH.—Chas. H. Buck, seedsman, 26 St. Matthew's Street.

KIDDERMINSTER.—A. Wilson, nurseryman, Blakedown Nurseries.

KILMARNOCK.—Utilitarian, Ltd., drysalts, Market Lane.

LONDON.—J. A. Mertens (Mertens & Co.), horticultural sundriesman, 3 Cross Lane, St. Mary-at-Hill, E.C. (May 12.)

STRAWSON & Co., 79 Queen Victoria Street, E.C.

LOWDHAM (NOTTS).—J. R. Pearson & Sons, seedsmen.

MINEHEAD (SOMERSET).—W. Shives, florist.

NORTH MOLTON (DEVON).—Fredk. Dobbs.

NORTHAMPTON.—A. Cockerill, nurseryman, 18-20 The Drapery.

NOTTINGHAM.—F. Yates, seedsman, 22 Pelham Street.

PINWERRY.—John Semple, sheep-dip manufactures, etc., Little Pinmore.

RADLETT (HERTS).—Radlett Industrial Society, general sundriesmen.

READING.—Wm. Haynes (trading as E. B. Hawthorn & Co.'s successor), horticultural appliance dealer, 21 London Street; Isabel Phippen (Geo. Phippen, nurseryman), 108 Broad Street and Oxford Street.

REIGATE.—Chas. R. Dales, florist, 25 West Street.

ROYDON (NORFOLK).—Jas. Lee, sheep-dipper and dip-manufacturer.

ST. ALBANS.—E. & A. Springings (trading as D. Springings), florists.

SELKIRK.—Geo. B. Cockburn, nurseryman.

STOCKPORT.—Jas. Yates, seedsman, Little Underbank, and J. Burkitt & Co., nurserymen, 1 Underbank.

WAKEFIELD.—H. Sheard, florist, 139 Kirkgate and 3 and 4 Leigh Street.

WALLINGTON (SURREY).—Brown Bros., ironmongers, 29 Manor Road.

WALSALL.—Jos. E. Dolman, Bridge Street; D. & W. Jones, 193 Wednesbury Road, Pleek, and 165 High Street, Bloxwich.

Consideration of Applications.

AYR.—The Town Council had before them last week applications from the following tradesmen in the High Street: R. Cameron, Thos. Muir, and Wm. Johnston (Highest & Hunter), Jas. Headley (Howats' Stores), Thos. Lamond, J. D. Paterson—all ironmongers; Alex. S. Thom (T. Inmie & Sons) and Thos. Dow (T. Dow & Co.)—both seedsmen. Also another from Thos. Alexander (Alexander's Stores, Ltd.)

ironmonger, Alloway Street. The Town Clerk read letters of protest from the Pharmaceutical Society's Resident Secretary in Scotland and a petition from the local chemists. Mr. Dobbs also wrote. Mr. Thos. Lamond, ironmonger, said he believed that six months ago not a single chemist in the town had a tin of sheep-dip. It had been a practice for many years for sheep-dip to be supplied through ironmongers. At Maybole an ironmonger was fined for selling a poisonous preparation, and during the case it was proved that none of the chemists in the town kept it. Mr. J. D. Paterson, ironmonger, said it was merely by chance that he had heard of one chemist in Ayr who kept sheep-dips, and it would be unjust if the ironmongers' applications were refused. Mr. Alex. S. Thom spoke for the seedsmen. Mr. James Hillhouse (solicitor), addressing the Council on behalf of the chemists, said the sole question was whether or not the existing facilities were sufficient. There were twelve chemists in Ayr, who could surely supply all the requirements of the burgh. The Act was not, as had been urged, simply designed to legalise the sale of poisonous sheep-dips by unqualified vendors. On the contrary, it was a prohibitory Act to stop the wholesale illicit traffic in poisonous substances. The Ballykinrain Ant killer contained sufficient arsenic in one bottle to kill 500 adults. Danger might result from the sale of such preparations by unqualified vendors, as persons buying them would not be inclined to treat them with the same care as they would articles bought from a chemist. After considering the applications in private the Council deferred their decision until next meeting.

BELFAST.—The Corporation Police Committee has postponed the consideration of applications.

BERWICKSHIRE.—The licence question came before the County Council last week. The Clerk said the Finance Committee had dealt with the matter, and the committee recommended that the duties be relegated to the Executive Committee under the Diseases of Animals Act. Circulars from the Resident Secretary in Scotland of the Pharmaceutical Society pointed out that there were a number of chemists distributed over the county—viz., Messrs. R. H. Henderson (Chirnside), J. Cairns (Earlston), D. Leitch (Greenlaw), W. M. Elliott (Coldstream), C. Hounam and Gunn (Duns), R. A. Melvor (Eyemoath), and J. H. Scroggie (Lauder). It was accordingly argued that there is no need to grant any application. The Chief Constable had also written opposing the granting of applications. Mr. J. Somerville and Mr. A. Smith desired that licences should be issued as it would be "a very serious matter" to prohibit the free sale of sulphate of copper, and urged that it would be hardship not to allow seedsmen to sell poisonous weed-killers. Dr. R. Shirra Gibb, who was asked to give his views, explained that sulphate of copper did not come within the Act. He considered a licence should not be granted in any place where there is a chemist. However, the subsequent discussion turned chiefly on sulphate of copper, but Major Nisbet contended that licences should be issued, as otherwise the trade in sheep-dip would leave the grocer and ironmonger, the present vendors, and go to the chemist. Such an arrangement was not fair and would create a monopoly. It was ultimately agreed to refer the matter for consideration to the Public Health and the Fertilisers and Feeding-stuffs Committee. The committee met directly afterwards and it was decided to recommend that no licences be granted.

BIRMINGHAM.—The Watch Committee have now decided that it is necessary in the interests of the public to grant several applications for licences (see *C. & D.*, May 15, p. 747).

BUCKINGHAMSHIRE.—It was reported to the County Council on May 12 that a number of tradesmen had applied for licences. A memorial had been received from several chemists, and also another from a number of medical practitioners to the effect that the existing facilities were ample, and that further licences were unnecessary and dangerous. The matter was referred to the General Purposes Committee for report on each application.

CORNWALL.—The County Council has issued a public notice regarding the formalities to be observed in applying for licences. Also that the "reasonable requirements" condition and any objections will be considered before granting applications.

DUMFRIES.—The County Council agreed to adopt a resolution by the General Purposes Committee asking that the Council's powers under the Poisons and Pharmacy Act be delegated to the Agricultural Committee.

DUNS.—The Town Council deferred its decision on May 17 regarding the application of Mr. W. G. Lamb, seedsman, Market Square, Duns. Mr. Lamb said he had had fifty years' experience of the trade in poisonous substances, and it would be perfectly right to refuse licences where there was any danger, but in his case the poisonous substances are kept in a separate place.

EAING.—A deputation, consisting of Messrs. G. A. Cawkwell, T. W. Cleave, and W. A. Weston, chemists and druggists, waited on the Borough Council at the last meeting to object to the applications for poison-licences. Mr. Cleave,

who acted as spokesman, contended that greater facilities for the sale of poisons were not required, as Ealing possessed sixteen chemists' establishments. He also showed the danger of allowing less restricted sale of insecticides. Mr. Weston having spoken in support, the Mayor complimented the deputation on the clear way in which they had put their views. The subject was then referred to the General Purposes Committee.

FERMANAGH.—The County Council considered on May 14 an application from Mr. J. H. Wilson, grocer and ironmonger, Lisnaskea. It was stated that the applicant undertook to comply with the regulations, and it was agreed to issue the licence on condition that the District Inspector of Police sends a favourable report regarding the place of storage.

GLASGOW.—The Magistrates Committee met on May 19 to further consider the applications for Section 2 licences. Since last meeting an irregularity in connection with the constitution of the Court had been discovered and righted, but it was now explained that the cases would require to be reheard. The proceedings were public on this occasion. The first case called was an application by J. & W. Greig, woolbrokers. Mr. Rowley Orr, solicitor, stated that since the former diet negotiations had been going on between the Pharmaceutical Society and the woolbrokers. It had been explained by the Society that under Section 16 of the Pharmacy Act, 1868, the Society were prepared to recognise woolbrokers as wholesale dealers. The woolbrokers were perfectly willing to fall in with this, but he understood there was an indisposition to give them a letter freeing them from possible consequences. He thought the application should be continued until they got such a letter from the Society. Mr. Campbell, solicitor, stated on behalf of another firm of woolbrokers that the application had been made in error and without consulting him as legal adviser. He therefore withdrew the application as being unnecessary. Mr. Letham, solicitor, as representing the objectors, said he had not been instructed with regard to a covering letter, and he declined to give one. During a discussion that followed he stated that he had no such power, but gave his honourable undertaking, as instructed by the Society, that he will not take action. Mr. Orr said he was now quite satisfied with Mr. Letham's undertaking and withdrew. The application by Messrs. Alexander Cross & Sons, seed merchants and chemical-manufacturers, was then taken up. Mr. Campbell, for the applicants, pointed out that the Chief Constable had approved of the application. The Court, he submitted, were only entitled to hear objectors who were existing vendors. The objecting chemists, Messrs. Cockburn, Fraser, and Green, and Peter Irving, did not state that they were existing vendors, but only that they were willing to supply them. He submitted that on these grounds the Court must grant the licence. Mr. Letham, for objectors, said that, having stated his objections fully at the previous sitting, he was prepared now to lead evidence to the effect that his clients were prepared to supply the wants of the community. Mr. Campbell submitted that they were only there to consider objections from existing vendors, which Mr. Letham's clients were not. The Chairman: In this matter I shall be guided by the Clerk. Mr. Lindsay ruled that Mr. Letham should confine himself to the objections, and that the Court should then make *avizandum*. Mr. Letham submitted that that was not a properly constituted Court under the Act. His next objection was that that quasi-judicial court should not grant licences without hearing evidence. In the third place, he thought the court must inquire into the character and qualification of every person who applied for a licence, because it was evident from the provisions of the Act that the Legislature were very particular as to whom licences were granted. The Chairman: You are not alleging, are you, that the court is without knowledge of the firm of Alexander Cross & Sons? Mr. Letham said it was the individual they must know, and not the firm. His main point was that in Glasgow there were ample qualified and professional men to sell all these poisonous substances, and that, unless cause were shown, the magistrates should not grant licences under the Act. The Chairman intimated that the Court would give judgment with the least possible delay.

KESTIVEN (LINES).—At a meeting of the County Council on May 13 the Chairman stated that the Council had granted their full powers to the General Purposes Committee. Several members of the Council drew attention to the need of care being exercised in interpreting the intention of the Act, Alderman Wherry citing an instance in which eight horses were poisoned by arsenic obtained from an unqualified tradesman.

KIRKCALDY.—The Provost's Committee, at a meeting held on May 17, after hearing parties for and against the applications of Messrs. Sang, seedsmen, and Messrs. Barnet & Morton, ironmongers, decided to recommend that licences be issued to both applicants.

NORFOLK.—The Cattle Diseases Committee of the County Council has remitted the licence question to a sub-committee.

The applicant is to state the nature and quantity of poisonous preparations he expects to sell.

ROCHDALE.—The Watch Committee received a deputation of chemists on May 13. The deputation stated that they had met the requirements of the town in respect to the sale of the poisons, and asked that no licences be issued. The Committee deferred its decision for a fortnight for inquiries.

STIRLING.—The County Council agreed on May 14 to a committee's recommendation that the Clerk be authorised to grant licences on behalf of the Council, and that a sub-committee be appointed with whom the Clerk might confer in any case of difficulty.

TAUNTON.—The Town Council devoted considerable time on May 11 to the recommendation of the Watch, Lighting, and General Purposes Committee in favour of granting the applications of Messrs. W. E. & T. Cousins, E. E. Chick, seedsmen, and Hawkes & Sons, Ltd., Farmers' Supply Stores. Mr. W. A. Wrenn, chemist and druggist, and the local chemists, had written asking that the matter be adjourned for a month. Attention was drawn to Section 2, and also to the danger of the indiscriminate sale of deadly poisons. Alderman J. P. Sibley, in supporting the recommendation, said the new Act had been adopted to allow seedsmen and implement-agents to sell legally what they had been selling illegally for many years. After further discussion the matter was adjourned. Mr. A. J. Smith, pharmacist, prior to the meeting wrote to each member of the Corporation, pointing out that the Act was intended to apply in remote districts, and not to create a free trade in poisons. Qualified vendors were in business within four, fifteen, and twenty doors respectively of the three applicants—a fruiterer, an ironmonger, and a seedsman. He stated that it will be in direct contradiction of the purposes of the Act if any applications be granted. Regarding the extraordinary statement of the applicants that chemists do not understand the requirements of agriculturists, etc., a booklet, forwarded with the letter, shows that Mr. Smith has cultivated the trade for thirty-five years, that he (and others also) has manufactured tons of arsenical sheep-dip and thousands of gallons of arsenical weed-killer. The applicants wish to usurp the trade because chemists do not understand it! He had dipped millions of sheep, but doubted whether any one of the three applicants has ever seen a sheep dipped in his life. Mr. Smith ends by calling attention to an ant-destroyer, of Glasgow origin, which costs 3½d. to prepare, and retails at 2s. 6d., and states that he has never heard of a chemist handling the article—"No! Chemists have to be satisfied with moderate profits."

TYNEMOUTH.—The Watch Committee has resolved to recommend for grant, at the Council's quarterly meeting on May 19, the applications of Messrs. Jos. A. Ord, West Chilton and Nile Street, and Smurthwaite Bros., Preston and Bedford Street, nurserymen. Mr. W. Buckley, the Divisional Secretary, opposed the application. He pointed out that there were eight chemists in the borough. Mr. Dobbs also wrote.

WALSALL.—The Watch Committee has decided to recommend that licences be granted to nurserymen and florists.

WREXHAM.—A special meeting of the General Purposes Committee considered applications from Messrs. Strachan & Evans, nurserymen, High Street, and Mr. C. R. Fendiek, paint and colour merchant, York Street, when a deputation of local chemists, consisting of Messrs. J. B. Francis, J. Barker, T. T. Richards, and C. G. Caldecott, waited upon the Committee. A letter was also read from the Wrexham Chemists' Association stating that the members were prepared to supply agricultural and horticultural poisons at lowest possible prices. The Town Clerk having pointed out the provisions of the Act and the regulations, a long discussion ensued. Councillor Birkett Evans asked if it was more difficult to swallow arsenic from a chemist than from a horticulturist. (Laughter.) Alderman Williamson said they would all like to have a business to themselves. Councillor L. B. Rowland said the chemists were contending for a principle. Councillor Sisson pointed out that if a licence were granted to Messrs. Strachan & Evans, they would have to take the same precautions as a chemist. A representative of the nurserymen stated that his firm did not stock the preparations at present, but supplied them through the wholesaler. They would stock them if their application was granted. Mr. J. B. Francis acted as spokesman for the chemists, and said that the Act was not intended to apply to a borough like Wrexham, where there were so many registered chemists. Peterborough, Accrington, Cardiff, and Kendal had come to the conclusion that the local chemists could meet the requirements of the district, and in the public interest it was not advantageous to increase the facilities for the supply of poisons. Seedsmen, he thought, were not competent to sell them. Mr. C. G. Caldecott also spoke, and, in reply to Councillor Sisson, said licences had been granted in far too many towns. The deputation then retired, and the Council decided to accede to the application of Messrs. Strachan & Evans and to refuse that of the colourman.

Applications Granted

BROMLEY (KENT).—Wm. Dell, ironmonger, 15 Market Square. Letters of objection were written by Shillcock & Sons, Felce's Drug-stores, Mr. H. D. Kelf, and Winton's Drug Co.

DOLLAR.—C. & J. Robertson.

GALASHIELS.—John Dun & Co., seed-merchants, 9 Island Street and 6½ Roxburgh Street.

HEMEL HEMPSTEAD.—W. Foden and L. J. Dunbar—both seedsmen; and H. & A. Flint, ironmongers. Messrs. F. Chapman, A. Marshall, J. Mellor, and J. Roberts, local pharmacists, wrote objecting to the applications.

JEDBURGH.—The Town Council on May 13 granted, by nine votes to four, the application of Charles Irvine, seedsman. Two local chemists wrote stating that they could satisfy all the reasonable requirements of the public. Councillor Cairns moved that the licence be granted "on the ground that in that way they would best serve the interests of the community." Dean of Guild Watson, in stating that the purpose of the Act was to legalise the trade in poisonous substances, protested against the action of the Pharmaceutical Society in sending their Secretary to Jedburgh to try to get members of the Council to support their position. Bailie Small, in opposing the application, said he believed no one there could say that the public were not fully supplied by the chemists. Councillor Walker held that the Act was not passed to enable unqualified vendors to sell poisonous substances where chemists were able to meet the public requirements. The chemists of Jedburgh had done a large trade in sheep-dip, etc., and to a remark about "monopoly," his answer was that the retail prices were stipulated by the manufacturers.

LANARK.—Wm. McMorran, High Street, and Robt. Jack, Hyndford Place, ironmongers and seedsmen. Granted unanimously.

LANGHOLM.—At a meeting of the Town Council held on May 13, an objection was received to the applications from two ironmongers, as there were chemists in the town who could overtake the trade in poisonous dips. Provost Easton said the parties had dealt in poisonous dips before. Councillor Armstrong said chemists were liable to heavy penalties if unqualified assistants sold poisons, and he moved that the applications be not granted, although he had no personal objections. The Provost said they were not creating any new opposition to the chemists, and the licences were accordingly granted.

MANCHESTER.—The City Council has granted all the licences applied for, where the applications were in order, thus nullifying all the efforts of the local Associations and of local pharmacists to reserve the sale of poisonous preparations to qualified persons. "The applications have been granted," writes a correspondent, "in defiance of the fact that in the area in question there were sufficient qualified dealers to satisfy the reasonable requirements of the public, and it is a moot point whether the conditions to be observed in the sale of these preparations are fully understood either by the members of the licensing body or by the applicants. In some cases at least the intention is to supply these things to a traveller's order to customers residing outside the area where the licence was granted for their sale, as well as to supply them to orders received by post, both of which proceedings are clearly unlawful."

MELROSE.—At last week's meeting of the Town Council an application by Mr. McNeill, ironmonger, was considered. The Clerk stated that the statutory notice of two other applications had not as yet elapsed. After discussion the application was granted.

NEWCASTLE-UNDER-LYME.—To E. Jenkinson (M. Jenkinson & Sons), Ironmarket, and A. G. Leighton, Market Buildings and Friar Street—both seedsmen. The North Staffs Chemists' Association wrote opposing the applications.

NEWTON-STEWART.—To Alex. Forsyth, 1 Queen Street; Thos. McCreath, 23 Victoria Street; Jas. L. Davison, 61 Victoria Street—all ironmongers. Mr. George Kerr, solicitor, appeared on behalf of the local chemists.

SELKIRK.—Frank S. Philip, seedsman, The Glebe; Robt. Lawrie, Market Place, and Robt. Tait, Westport—ironmongers. A letter of protest was read from Mr. J. Ruherford Hill.

SHEFFIELD.—At the meeting of the Sheffield City Council last week the Watch Committee presented a recommendation that two firms should be licensed, viz., Messrs. Fisher, Son & Library, Ltd., nurserymen, seedsmen, and florists, 4 Market Street, and Messrs. Brook, Bray & Sons, nurserymen, seedsmen, etc., 334 to 350 Sharrow Vale Road. In consequence of representations made by the Sheffield Pharmaceutical and Chemical Society the recommendation was referred back to the committee, and at a meeting held on the following day (Thursday) a deputation representing the Society, consisting of Messrs. G. T. W. Newsholme, G. Squire, J. B. Pater, J. Preston, and C. A. Hewitt, placed the views of the Society

before the committee, of which Councillor A. Russell Fox was a member. The committee had before them a further application from Messrs. J. A. & M. E. Pierson, florists, of 132 Barker's Pool, and finally decided to grant the licences to all three firms applying.

SOUTHAMPTON.—The Town Council decided on May 12 to grant an application for a licence from Messrs. Toogood & Sons, seedsmen, 68 Above Bar, upon their complying with the regulations. A memorial was submitted to the Council on behalf of the local pharmacists stating that there were over forty establishments in Southampton in charge of qualified chemists who supplied agri-horticultural poisons.

SUNDERLAND.—R. Gibson & Sons, nurserymen, Holmeside, and J. Cobb & Sons, seedsmen, Flawcett Street. A deputation of chemists waited on the Watch Committee.

WARWICK.—The Town Council discussed on May 11 the applications of Hinton Bros., Birmingham Road, and T. Marsh, the Priory Nursery—both nurserymen. A protest had been lodged by the local Chemists' Association, but the General Purposes Committee decided in favour of the applications. Alderman J. W. Mann moved that the matter be referred back to the committee, as the information coming before the committee was so meagre that he could not form any definite opinion, and accordingly did not vote. A good many of the members had not realised the points of the case. Mr. C. W. Martin said that he had obtained further information on the subject since the discussion in committee, and the majority of the members present had yet to learn the meaning of the Act. Mr. A. C. Mills, in supporting the recommendation, said that the rights of chemists were in no way threatened or infringed, and it would be an injustice to refuse the applications. Four of the Councillors took the line of argument that it would not make much difference to the chemists whether the licences were granted or not, since they would sell as much insecticide as they had done in the past. Another speaker did not think that chemists had confined themselves to their own business, for some of them went in for all manner of "lines." So long as this was the case the Council should not put any restriction on any particular trade. Alderman Mann remarked that he wanted a true interpretation of the Act, and that the matter was not a question of competition. The applications were granted by eight votes to seven.

WIGTONSHIRE.—R. A. Donnan and John Inglis, Portwilliam; A. Milroy & Son, Glenluer—all ironmongers. Sir Herbert Maxwell, in moving that the applications be granted by the County Council, reiterated the statements given in our last issue (p. 747). (The nearest chemist to Portwilliam is ten miles away, and the late Dr. Selby, of Portwilliam, gave evidence before the Departmental Committee.)

WREXHAM.—Strachan & Evans (see "Consideration of applications").

Applications Refused.

CANTERBURY.—The application of Fredk. Finn & Sons, Ltd., oil and colour men, St. Margaret's Street, failed owing to the formalities in connection with the notice of application not having been strictly complied with.

CHICHESTER.—The City Council on May 14 received from the Finance and General Purposes Committee a recommendation that the applications of Mr. J. D. Webster and Hooper & Son, both nurserymen in South Street, be granted. The chemists of the city had written in opposition to the applications, and the Council eventually decided by a *nem. con.* vote not to grant the applications.

GUILDFORD.—The recommendation of the Watch Committee that the applications of Messrs. W. J. Brown & Sons, ironmongers, and A. Hart & Sons, both of High Street, be refused, was adopted by the Town Council on May 13, by eight votes to four. The local Chemists' Association opposed the application. The committee's recommendation was carried by a majority of one.

WARRINGTON.—Geo. Starkey, seed-merchant. Irregular grant rescinded.

WREXHAM.—C. R. Fendick (see "Consideration of Applications").

Fees Fixed.

FERMANAGH.—Licence, 5s.

LANARK.—Licence, 10s. 6d. Renewal, 1s. 6d.

MELROSE.—Licence, 5s. Renewal, 1s. 6d.

NEWTON-STEWART.—Licence, 7s. 6d.

SELKIRK.—Grant, 10s. 6d. Renewal, 1s. 6d.

STIRLING.—Grant, 5s. Renewal, 1s. 6d. Copies, 2s. 6d.

SURREY.—Licence, 10s. 6d. Renewal, 1s. 6d.

Our excerpts from the press are unavoidably held over. They include Birmingham correspondence, in which Mr. Bremridge participated, stating that the Pharmaceutical Society has no status in opposing applications for licences.

Trade Notes.

MESSRS. KNOLL & Co., 8 Harp Lane, London, E.C., have just issued a new price-list of their special chemical products used in medicine.

"MUM."—Messrs. Thomas Christy & Co. are now the agents for this American anti-perspiration preparation for ladies, and they tell us that it is now being well advertised in weekly and monthly magazines.

MESSRS. C. MITCHELL & Co., advertising agents, 1 and 2 Snow Hill, London, E.C., inform us that their business has been converted into a private limited liability company under the title of "C. Mitchell & Co., Ltd." the management remaining unchanged.

AGRI-HORTICULTURAL CHEMICALS. — The Imperial Chemical Co., Northwood, issue in card form a "Handy Guide to Fertilisation of Plants," which gives in convenient form the special fertilisers required for various plants. An abridged price-list is also included.

MESSRS. N. W. MITCHELL & SONS, LTD., cork manufacturers, Farrance Street, Limehouse, E., inform us that their price for printing corks with customer's name and address on the top is not 5½d. per gross, as stated on p. 758 last week, but ½d. per gross or 3½d. per thousand.

OTTO OF ROSE.—Messrs. Seraphimoff & Co., Kezanlik, Bulgaria, call attention in this issue to pure otto of rose of their own distillation. The London agents, Messrs. E. N. Frankenstein & Co., Ropemaker Street, Finsbury, London, E.C., will be pleased to answer inquiries from buyers of wholesale quantities.

SPIRIT PREPS.—In view of the many alterations in spirituous preparations occasioned by the Budget, Messrs. Horner & Sons, 24 George Street, Tower Hill, London, E.C., have issued a separate price-list of these preparations showing that the prices of practically 200 articles have been revised.

MESSRS. WILLIAM GARDNER & SONS, Gloucester, Ltd., made a small show only at the Chemists' Exhibition last week, as they are preparing an exceptionally large one for the Royal Agricultural Show, which is to be held in Gloucester from June 22 to 29. They will be glad to see at that Show all the chemists who visit it. They expect to have some excellent sifting and mixing machinery to display there.

WINCARNIS MOTOR AND CYCLIST MAPS.—Messrs. Coleman & Co., Ltd., of Norwich, have published a series of pocket-maps, by Bartholomew, measuring 9 in. by 6½ in., giving sections of Great Britain on the scale of ten miles to an inch. There are sixteen sections, as follows:

(1) London, Surrey, Sussex, and Kent; (2) Hampshire and Mid-Southern Counties; (3) Devonshire, West Somerset, etc.; (4) Cornwall and West Devonshire; (5) London, Herts, Essex, S. Suffolk, etc.; (6) London and East Midland Counties; (7) Gloucester and West Midland Counties; (8) South Wales; (9) Norfolk, N. Suffolk, Cambridge, etc.; (10) Manchester and N.W. Midland Counties; (11) Mid Wales, Shropshire, etc.; (12) Lincolnshire, E. Notts, and S.E. Yorkshire; (13) North Wales, Cheshire; (14) Lancashire and West Yorkshire; (15) N.E. Yorkshire and Northumberland; (16) Cumberland, Westmoreland, etc.

Messrs. Coleman will send any one of these sections post free, and a complete set for two penny stamps. They have a limited number, which they will be pleased to send to chemists for their customers if application is made at an early date.

THE "JOHN BULL" HAIR-FOOD.—This new preparation is a milky-white liquid issued by the laboratories, 280 Fulham Road, London, S.W., in large bottles with sprinklers, so that it can be applied directly to the scalp or by sprinkling on the hair-brush, and in either case the hair should be well brushed, so as to stimulate the hair-roots. It can also be used as a dry shampoo. The makers state that it is an effective hair-restorer and stimulator of growth, and we observe that it serves also as a dressing, giving gloss and softness to the hair. It is offered in two sizes at 15s. 6d. and 27s. per dozen, carriage paid.

MR. VINCENT WOOD, Victoria House, Albion Place, Blackfriars Bridge, London, S.E., made at the Chemists' Exhibition last week an excellent display illustrating the manufacture of elastic hosiery, including most of the special goods of the firm. One saw everything from the rubber covered with silk, cord, or cotton, which is employed in making elastic goods, up to the finished articles. A point to be noted is that each pair of elastic stockings is sent out in a neat box, thus enabling the stock to be kept free from dust and air, and consequent deterioration. Mr. Wood is especially proud of the fact that all the goods exhibited are the product of skilled English labour from English materials.

SCHERING'S SYNTHETIC CAMPHOR, for which the agents in this country are Messrs. A. & M. Zimmermann, 5 Lloyd's Avenue, London, E.C., was up till recently only obtainable in the form of "flowers." The product is now supplied in the form of tablets and pearls. The tablets can be had six, four, three, two, and one to the ounce, and in 4-oz. cakes, these being identical in appearance with those made from natural camphor. The pearls are tiny cubical pieces, and in this form are preferred for some purposes.

ODOLO.—The manufacturers of Odol are making a special offer in this issue. Each order of not less than 3 doz. will be accepted at the rate previous to the recent rise in prices consequent on increased spirit-duty, on the condition that an equal quantity is ordered at the new prices. The offer stands good until the present stock is exhausted, and orders will be executed in rotation as received. It is expected that the bulk of the stock will be cleared in a few days. The new protected retail prices are at face-value—viz., 4s. 6d., 2s. 6d., and 1s. 6d.—and the wholesale terms are given in our advertisement-pages. Chemists desirous of supporting the advertising-scheme of the proprietors of Odol can obtain material for window-displays on application to the Odol Chemical-works, 59-63 Park Street, London, S.E.

"ZOTOS," the new seasickness-remedy, is catching on well, and promises to be in increased demand during the coming holiday season. Zotos, Ltd. 32 Theobald's Road, London, W.C., besides advertising to the public, have thought out some good methods whereby chemists may introduce it to the notice of their customers and thus connect the public advertising with the pharmacy. For example, they present chemists with a pretty classical figure which holds a case of "Zotos," and there is also a small glass case which holds half-a-dozen cases, besides giant cartons in the now familiar vermilion faithfully reproducing the "Zotos" boxes. These make effective window-displays. Our readers will get fuller particulars in regard to them by writing to the company.

AGRI-HORTICULTURAL POISONS.—In our "Trade Notes" of last week, in referring to the products of Messrs. Tomlinson & Hayward (Lim.), Lincoln, such as "Eureka" Weed Killer, "Eurekatine" Fumigant, and other horticultural preparations, also Hayward's "Yellow Paste" Sheep Dip and various other dips and veterinary preparations, the word "reported" was composed in the place of "supported" in the sentence stating that Messrs. Tomlinson & Hayward are "known to the chemists whom they have supported." Messrs. Tomlinson & Hayward have always given full assistance to chemists by advertising sending direct orders and inquiries to the local chemists, and in other ways supporting them. The firm advise us that they will be pleased to hear from any chemists who are not at present stocking their goods, and to place before them terms and full particulars for securing a share of this agri-horticultural trade.

WANDER'S SPECIALITIES.—We have received from A. Wander, Ph.D., 1 and 3 Leonard Street, City Road, E.C., a copy of his 1909 price-list of superfine dietetic compressed household and medicinal products, and have compared most of the illustrations and descriptions of the specialities referred to therein with the originals, and find that, if anything, they come short of the latter. Dr. Wander, it will be remembered, introduced "Ovaltine" into this country a year or two ago; this being a food combining the digestive and nutritive constituents of milk, eggs, and cocoa, in the form of a powder, to make

a breakfast beverage as a substitute for tea, coffee, or cocoa, for general use and especially for those who suffer from neurasthenia, impaired digestion, and any cerebral disturbance. It contains active lecithin, and is put up in three sizes, selling at 1s., 1s. 9d., and 3s., yielding the chemist good profits under P.A.T.A. conditions. Our

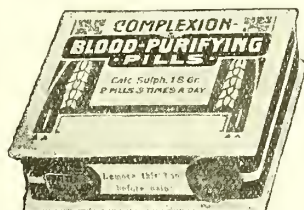
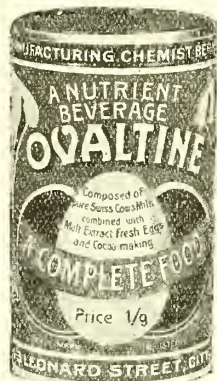


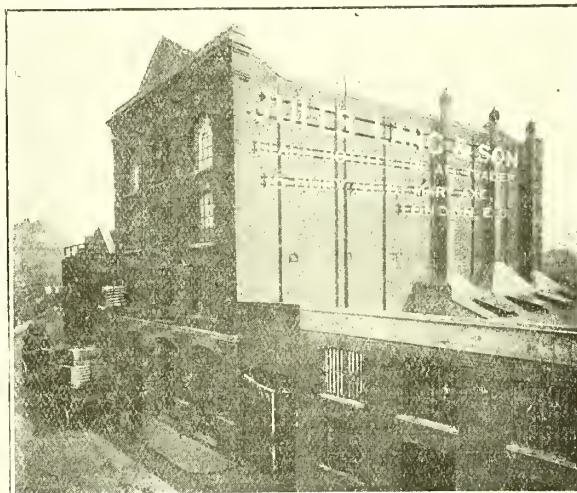
illustration (very much reduced) is the 1s. 9d. size, which contains 9 ozs. of "Ovaltine." The other illustration placed beside this is typical of the packages in which Dr. Wander puts up pills and tablets. This is a novel shape in Great Britain, and we note that the pills are supplied sugar-coated, pearl-coated, or coated with silver—the last a particularly attractive form which will be a novelty to many customers. There is a very large range of such products as this, and tablets are put up in the same style and in bottles as well. Neurasthenia pills, a good accompaniment to "Ovaltine," are a new addition to the series. We also noted a series of ointments, put up in collapsible tubes and packed six in a folding pocket-carton, which are worth chemists' attention. Most of Dr. Wander's products are "known, admitted, and approved remedies." Further particulars will be found in the price-list, copies of which will be sent on application to the above address.

SURGICAL AND RUBBER GOODS.—We had the opportunity the other day of a chat with Mr. Howison, of Messrs. Howison & Co., Ltd., 26 City Road, E.C., while inspecting a large selection of rubber and surgical goods which he offers to the trade. They are of American manufacture, but a distinctive characteristic of the company's business, Mr. Howison explained, is that he has picked from the products of four well-known manufacturers in the United States those lines of goods for which they are particularly noted and which are placed on this market at competitive prices. There are, for example, the rubber gloves made by the Seamless Rubber Co., of Newhaven, Conn. These were originally introduced for surgeons' use, but as they are now obtainable by the chemist for 2s. per pair upwards, their use has extended widely—even chemists themselves wear them when doing certain operations which involve staining of the hands, and nurses, photographers, bee-keepers, lady gardeners, housemaids, and others find them useful when working. Messrs. Howison have a variety to choose from, and chemists who have not yet tapped this vein of profitable business could not do better than get a copy of the illustrated price-list. Bathing-caps are also made in similar style. Mr. Howison showed us a rubber teat—No. 25—at 22s. 6d. a gross, which is made of pure rubber, uncoloured, and is of remarkable durability. Soft rubber catheters are another line which Messrs. Howison offer in first-class quality at low prices, and their rubber sponges have the distinction of being the heart only of the porous rubber mass, thus being free from the outside part, which is responsible for the tearing of the sponge. Of atomisers there is a bewildering variety, from the little white bottle with bulb, at 8s. 6d. a dozen, which enables the chemist to fill the bottle with perfume and sell the whole thing for 2s. to 4s., according to the perfume used, to the "Perfect" No. 71, which is for vaporising paraffin inhalants in the form of a fine cloud. The firm have just taken up an agency for Messrs. Chesterman and Streeter, manufacturers of trusses and surgical appliances, such as

abdominal belts, shoulder-straps, etc. The trusses are all well made. One has a reversible pad, which in the case of single trusses enables the chemist to carry only half the ordinary stock. The steel of the truss is covered with vulcanite and the exposed metal parts are well nickelled. The pad is pneumatic, and by means of screws it can be adjusted to any angle in relation to the injury as well as to give upward support. The same truss is obtainable double, and leather-covered trusses are also supplied. An appendicitis belt is in truss style with a reniform plate of vulcanite for the cicatrix. Messrs. Howison also stock the C. & S. crutches, which are notable for their lightness and cheapness. They are taking remarkably well, and the firm will be glad to give quotations to any inquirers.

A Bottle Warehouse.

For some years past it has been the ambition of Messrs. Jules Lang & Son, 16 Bury Street, St. Mary Axe, London, E.C., to have in England a sufficient supply of their stock lines in glassware of their own manufacture to meet customers' demands at short notice, instead of waiting the arrival of supplies from the factory at Eu, France. The obstacle of suitable central warehouse accommodation in London has now been overcome: the four-storey warehouse, with a large basement, seen in our illustration, has been secured at 106 Snowfields, Bermondsey. The building is admirably suited for the purpose of storing original crates *en route* to the consumer. The premises are to be used for



storage only, the offices being retained at Bury Street. A private telephone connects the two, to facilitate the transmission of orders. The back of the warehouse abuts on a recreation-ground, so that it is well illuminated. A hydraulic crane has been installed for transporting the crates up or down, and about a third of the floor-space is already piled high with packages of glass goods. In addition to the usual crates, packages with smaller contents are stocked, so that cases of two, three, four, or five gross of a particular line of goods are available. This form of supply is well adapted to suit the convenience of buyers. Among the goods already in the warehouse are "limes," "Mexicans," vials, amber malt-bottles, emulsion-bottles, eau-de-cologne bottles, medical-lozenge jars and basins. The last-named is a neat flat covered basin, well adapted for the counter show of medicinal pastilles. A double-capped white flint-glass jar, in which the contents come into contact with glass only, is well suited for packing such products as malt-extract in high-class and hygienic style. Another of the firm's specialities, in which the French glass-blower excels, is hand-made sample-vials and oil-tubes. Messrs. Lang & Son received a Silver Medal for variety and excellence of French flint-glass bottles at the Franco-British Exhibition last year, and anticipate that the new departure will lead to still better and larger business relations with their wholesale customers.

Trade Report.

NOTICE TO BUYERS.—The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of drugs and oils vary greatly, and higher prices are commanded by selected qualities even in bulk quantities. It would be unreasonable for retail buyers to expect to get small quantities at anything like the prices here quoted.

42 Cannon Street, London, E.C., May 20.

WITH the exception of a little activity in a few special lines which inspired the hope of better all-round business, the general undercurrent of trading has not improved. Price alterations, as will be seen below, are few and mostly slight. Among chemicals, grey acetate of lime and copper sulphate are both firm. Citric and tartaric acids are in seasonable demand, with an easy undertone. Bromides are firm, and cocaine is steady. Refined glycerin is unaltered, but crude maintains its firmer tendency. Morphine prices can be shaded on firm orders. Santonin is still unobtainable in quantity. In essential oils, otto of rose reports in regard to the new crop intimate limited damage by frost; and there are similar reports from the South of France in regard to neroli, &c. Drugs, apart from the auctions, present few changes. Cod-liver oil is weak and neglected. Cinchona at auction was firmer; and higher prices have been paid for opium both here and in primary markets. At the vanilla sales, prices advanced 1s. 6d. to 2s. The chief alterations have been as follows:—

Higher	Firmer	Easier	Lower
Buchu	Cinchona	Ammonia	Chillies
Ipecacuanha	Copper	sulphate	Cuttle-fish
(Matto Grosso)	Opium	Balsam Tolu	bone
Vanilla		Benzoin (Sum.)	Myrrh
Wax, Japan		Caraway seed	Shellac
(c.i.f.)		Cardamoms	
		Cassia fistula	
		Cod-liver oil	
		Hydrastis	
		Pimento	
		Senna Pods	

Cablegrams.

BERGEN, May 20:—The cod-fishing at Finmarken continues very good, and the market for finest non-congealing Lofoten oil is quiet at the equivalent of 62s. per barrel c.i.f. London.

NEW YORK, May 20:—Business in drugs is quiet. Opium is neglected at \$4.25 for druggists' in single cases; Jalap is firm at 45c. Hydrastis (golden seal) remains easy at \$1.80 per lb. Central and South American copaiba is steady at 47c. Wayne County peppermint oil in tins is also steady at \$1.45. Podophyllum (mandrake) is firm at 8½c. Both serpentary and Canada balsam are firm at 50c. per lb. and \$7.50 per gal. respectively. Cascara sagrada is dull at 8½c. per lb.

Heavy Chemicals.

On the whole there is a rather better feeling in the heavy-chemical market, and there is a fuller general demand on both home and export account. The increase is perhaps only comparatively slight, but nevertheless it has a steady effect.

SULPHATE OF AMMONIA is very quiet, and has suffered a further decline. Present nearest figures are: Beekton prompt 117. 10s., Beekton terms 107. 18s. 9d. to 117. 1s. 3d., and Hull 107. 18s. 9d. to 117. The actual business passing is practically all for early delivery. There is a fair inquiry for delivery during the latter part of the year, and even for delivery early next year, but the premium required by makers stops business.

ALKALI-PRODUCTS.—Main products in this branch meet with fairly active inquiry. Bleaching-powder rules steady on the basis of 47. 2s. 6d. to 47. 7s. 6d. per ton for softwood casks, free on rails. Caustic soda is moving better at unaltered figures; 76 to 77 per cent. 117. to 117. 2s. 6d., 70 per cent.

107. 5s. to 107. 7s. 6d., and 60 per cent. 97. 5s. to 97. 7s. 6d. Ammonia alkali active and firm at 47. 10s. to 47. 15s. per ton in bags free on rails. Soda crystals show a slight improvement in demand, and are steady at 55s. to 57s. 6d. per ton free on rails Tyne, and 57s. 6d. to 62s. 6d. per ton f.o.b. Tyne, and 60s. to 65s. per ton f.o.b. Liverpool. Salteake is in better demand for export, but is somewhat disappointing as regards home; price nominally unaltered at 42s. 6d. per ton in bulk. Bicarbonate of soda 57. to 57. 5s. in casks and 57. 10s. to 67. per ton in 1-cwt. kegs f.o.b. Liverpool. Chlorates of potash and soda 3½d. to 3¾d. per lb., according to quantity, etc. Yellow prussiates of potash and soda at about 4½d. and 3d. per lb. respectively. Hyposulphite of soda is in somewhat better request, but nevertheless rather disappointing. Ordinary crystals in casks 57. to 57. 10s. per ton. Deliveries in 1-cwt. kegs vary from 57. 15s. to 77. 15s. per ton, dependent upon quality and quantity. Silicates of soda are in fair average request: 140° Tw. 47. 5s. to 47. 15s., 100° Tw. 37. 15s. to 47. 5s., and 75° Tw. 37. 7s. 6d. to 37. 17s. 6d. per ton.

Manchester Chemical-market.

Manchester, May 18.

The attendance on the chemical section of the Exchange was about an average one, and, if anything, there was a better undercurrent of business. High-strength caustic soda in good inquiry, but lower strengths neglected. Bleaching-powder was in fair request for export, but there was only a dragging demand for soda crystals and salt cake. Sulphate of copper has seen another advance with good forward inquiry at about 187. 17s. 6d. to 197. 7s. 6d. per ton, best brands Manchester. It is reported that cheap prompt parcels have been cleared. Arsenic continues exceedingly dull at about 137. 5s. per ton for white powdered on rails. Yellow prussiate of potash is fractionally lower, but prussiate of soda is steady. Lead salts are firm. Brown and grey acetate of lime quietly steady. The low quotations for oxalic acid have stimulated demand, and at 2½d. is well held. Carbolic acid and benzols are quiet. Sulphate of ammonia is lower at from 107. 15s. to 107. 17s. 9d. per ton on rails, Manchester; and there is little doing in naphthas.

The "Ionone" Case.

In our issue of January 2 (p. 32) we reported that the ionone patent suit, which has been pending for several years, between the Haarmann-de Laire-Schaefer Co. and Van Dyk & Co., of New York, was decided by Judge Ray, of the United States Circuit Court, in favour of the plaintiffs, but subsequently a suspension of the injunction was granted. Early in April the briefs were submitted and argued before the United States Circuit Court of Appeals, Second District, New York, and it is anticipated that a decision may be rendered before the summer vacation. The crux of the appeal, according to the "American Perfumer," appears to rest on the contention that "beta-ionone" was known to the public before the time that de Laire applied for his patent, through the researches of Tiemann, and that in consequence the de Laire patent should be declared void. The Haarmann-de Laire-Schaefer Co., on the other hand, claim that the ionone described by Tiemann was solely alpha-ionone, and that beta-ionone was unknown to the world till given by de Laire.

German Saccharin.

The accounts of the Saccharinfabrik Gesellschaft vorm. Fahlberg, List & Co., of Salbke, for 1908 show net profits of 8,374L., as compared with 10,390L. in 1907, and a dividend at the rate of 4½ per cent. has been declared, being the same as in the preceding year. The report states that the sale of saccharin in the inland market remained on a low level. The Federal Council has made an alteration in the conditions restricting the sale of the article, in so far that the sale by pharmacists of tubes containing twenty-five tablets of No. 1 is to be permitted in future without restriction. It is hoped, says the report, that this measure will finally contribute towards curtailing in some degree the active smuggling of artificial sweeteners into Germany, which has damaged the interests of the company. The overseas trade during 1908 suffered from the unfavourable credit conditions, and neither sales nor prices were satisfactory.

Bromides.

On behalf the Bromine Convention and the Convention of Bromine Preparations, the Anhalt Chamber of Commerce has addressed a petition to the Reichstag asking that steps shall be taken to obtain a removal of the duty imposed on bromine and bromine preparations on importation into America, or to inflict a similar tax on these goods when placed by America on the German market. While able to export bromides duty-free, America imposes a duty of 25 per cent. on the value of bromides imported from Germany, thus putting the German exporter at a decided disadvantage on the international market. America, it is complained, dis-

poses of practically unlimited quantities of raw material at low cost prices, as in that country bromine is obtained in the electrolytic process of making chlorine from common salt for manufacturing chloride of lime, and, while disabling foreign competitors by the heavy import duty, the American exporter throws enormous quantities of bromides on the German market. The American duty is not imposed on the basis of the German sale price in the U.S.A., which, owing to competition, is very low, but on the basis of the prices obtained in Germany. The petition commission of the Reichstag has submitted the memorial to the Chancellor. The annual report of the Berlin Chamber of Commerce states that, in consequence of the keen competition between the German and United States producers of bromides, prices had been brought to such a low level as not to meet the cost of manufacture. About the end of 1908 the American producers expressed a disposition to resume the negotiations for a settlement that had so far not led to a satisfactory result. The negotiations, the report states, eventually led to the conclusion of a provisional agreement which has enabled the German Bromide Convention to effect a material increase in prices. It is added that the trade in chloride of magnesium proceeded satisfactorily during the year, and an advance of 10 per cent. was resolved upon for 1909. On the other hand, the prices of Epsom salts have almost receded to the cost of production, and although only five factories in Germany are concerned it has not been possible to bring about an agreement between them.

ACETATE OF LIME.—Grey is firm at 8*l.* 17*s.* 6*d.* per ton on the basis of 80 per cent. Makers are willing to sell forward delivery in limited quantities only.

ACID, CITRIC, is unaltered at from 1*s.* 5*d.* for English and 1*s.* 4½*d.* per lb. for foreign. In second-hands there seems a fair quantity available, and with order in hand an occasional seller might be found at slightly under these rates.

ACID, TARTARIC.—The demand continues good at from 10½*d.* to 10¾*d.* per lb. for English and 10½*d.* for foreign.

AGAR-AGAR is firm at from 1*s.* 8½*d.* to 1*s.* 9*d.* per lb. spot, and for shipment the business done includes 30 bales at 1*s.* 6½*d.* c.i.f.

ANISEED.—Quotations are unchanged at 20*s.* per cwt. for Russian, and 37*s.* 6*d.* for Spanish. In the drug-auction 10 bags of good Spanish were bought in at 45*s.*

ARROWROOT.—At auction 120 barrels of St. Vincent were sold at 2*d.* per lb.

BROMIDES are firm and in steady demand. The makers are only willing to sell for prompt delivery, and the situation has somewhat puzzled buyers lately, as it was thought that prices would be advanced ere this. The lowest price for German in large quantities is 10¼*d.* for potassium, 11½*d.* for sodium, and 1*s.* 0½*d.* for ammonium, the prices of English potassium being 10¾*d.* net for 10-cwt. lots, 1*s.* 0½*d.* net for sodium, and 1*s.* 1½*d.* net for ammonium for 1-cwt. lots. Second-hand sellers quote slightly below these prices, but the quantity available from these sources is not large.

CAMPHOR.—Business has been done in Japanese ¼-oz. refined tablets at 1*s.* 8½*d.* afloat, and sellers of 1-oz. quote 1*s.* 6½*d.* c.i.f. for September-October shipment.

CANARY-SEED is steady at 37*s.* 6*d.* per quarter for ordinary quality, but the demand is reported to be slow.

CARAWAY-SEED is a little easier in view of the new crop; fair Dutch is quoted 37*s.* to 38*s.* per cwt. on the spot.

CINCHONA.—At auction on Tuesday 495 packages were offered, of which 440 sold at rather firmer prices, the average unit being 5½*d.* per lb., or equal to the last Amsterdam sale.

The prices paid were as follows: East Indian, Ledgeriana stem chips 2½*d.* to 3½*d.*, branch 2½*d.* to 3½*d.*, and root 2½*d.* Officialis, original stem chips 1½*d.* to 2½*d.*, shavings 2½*d.*, and root 3½*d.* Succirubra, fair quilly chips 2½*d.* to 3*d.*, stem chips 2½*d.*, mixed stem and root 2½*d.* to 2½*d.*, and root 2½*d.* to 2½*d.* Ceylon, red natural chips and shavings 2½*d.* to 3½*d.*, fair broken quill 3½*d.*, and renewed quilly chips 3½*d.* African, ordinary to fair greyish and broken quill 3½*d.* to 4½*d.*, and quillings 2½*d.* to 3½*d.* per lb.

The following table shows the quantity of bark offered and sold:

	Packages Offered	Packages Sold
East Indian cinchona	224 of which	162
African cinchona	172	163
Ceylon cinchona	99	99
	495	429

The following were the approximate factory purchases:

	Lb.
The Brunswick factory	23,000
Messrs. Howards & Sons, Ltd.	19,500
The Frankfort factory	15,300
The Mannheim factory	1,900
Druggists, &c.	12,800

Total quantity sold	72,500
Bought in	21,800

Total quantity offered 94,300

The exports from Java during the first half of May amounted to 438,000 Amst. lb., against 831,000 Amst. lb. in 1908, and 654,000 Amst. lb. in 1907. The auction to be held at Amsterdam on June 10 amounts to 8,089 packages, consisting of 6,566 packages Ledgeriana and hybrid, 1,024 cases and 46 bales of Succirubra, and 39 cases of Sumatra. The first-hand stock at Amsterdam consisted on May 19 of 4,302 packages Government bark and 14,840 of private bark, making a total of 19,142 packages.

COCAINE.—Small sales of hydrochloride are reported from second-hands at from 7*s.* 11*d.* to 8*s.* per oz. net., according to brand.

COCA-LEAVES.—At auction at Amsterdam on May 19, 181 packages of Java will be offered.

COPPER SULPHATE is firm at from 18*l.* 7*s.* 6*d.* to 18*l.* 10*s.* for Liverpool makes spot and forward.

CORIANDER-SEED is unchanged at 9*s.* 6*d.* per cwt. for weevil Morocco and 10*s.* 6*d.* to 11*s.* 6*d.* for fair to good. Russian is offering at 13*s.* 6*d.* per cwt.

CREAM OF TARTAR is steady and unaltered at 73*s.* for 93-per-cent. powder, and 71*s.* 6*d.* for 95-per-cent.

CUMIN-SEED.—A few odd lots have been sold at 42*s.* 6*d.* to 45*s.* per cwt. for Morocco and Malta, but stocks are practically exhausted.

FENUGREEK-SEED is firm at 9*s.* 6*d.* to 10*s.* per cwt. for Morocco, being scarce on the spot; but new crop is reported to be plentiful, and business has been done at 7*s.* c.i.f. terms.

GINGER.—The large supply of 1,098 barrels and 235 bags Jamaica was offered, but only 180 packages found buyers at barely steady rates. Good bold sold at from 65*s.* to 68*s.*, fair washed at from 59*s.* 6*d.* to 64*s.*, bold at 61*s.*, and dull washed at from 55*s.* to 58*s.* Of Calicut 162 cases were bought in, including small cut at 55*s.*, medium ditto at 60*s.*, unsorted native cut at 55*s.* to 57*s.* Washed rough Cochinn was bought in at 40*s.*, limes Japan at 32*s.*, and Bengal at 30*s.* per cwt.

GLYCERIN.—The firmer tone in crude noted last week continues, there having been a large demand for explosive purposes. Refined is unaltered on the basis of 70*s.* 6*d.* per cwt. for 5-ton lots of double-distilled s.g. 1.260 quality in 56-lb. tins and cases.

HYDRASTIS for shipment is easier than when we last quoted, offering at 7*s.* 6*d.* per lb. c.i.f.

LINSEED is steady at 50*s.* to 52*s.* per quarter for good to fine clean.

MORPHINE.—With the outlet now mostly confined to legitimate medicinal purposes, the demand is but small, and although the nominal rates from makers are from 6*s.* 3*d.* to 6*s.* 6*d.* per oz. for hydrochlor. powder as to quantity, a slight advantage may be gained with an order in hand.

OIL, COD-LIVER.—The demand is practically nil, but there is no substantial change in quotations here. An offer of 58*s.* was wired out and refused this week, the lowest being 60*s.*, and in other directions up to 62*s.* is quoted. Our Bergen correspondent writes on May 17 that although the weather during the past week partly hindered the fishing, the result at Finnmarken was fairly satisfactory. The statistics give the following results:—

	1909	1903	1907
Catch of cod (millions)... ..	48.6	40.	42.1
Yield of cod-liver oil (barrels)	39,500	44,500	35,500
Livers for "raw" oils (hect.)	23,800	21,600	17,500

The market is very quiet, with a distinctly easier tendency. Finest non-congealing Lofoten oil can hardly be quoted above 62*s.* per barrel, c.i.f. terms. In the drug-

auction 5 casks Newfoundland sold at 2s. per gal. without reserve.

OIL, LEMON.—The seasonable weather has created a very fair demand on spot, sellers of which quote from 3s. 6d. to 3s. 9d., and for shipment from 3s. 7d. to 4s. 3d. c.i.f. is quoted.

OILS (FIXED).—*Linsced* is firmer at 23s. in pipes on the spot and at 23s. 3d. in barrels; *Coconut* is steady at 29s. 6d. for Ceylon and at 35s. 6d. for Cochin on the spot; *Cottonseed* is quiet at 22s. 6d. for crude, 24s. for ordinary pale refined, and 26s. 6d. for sweet refined; *Rape* is also quiet at 27s. 6d. for ordinary brown crude, at 29s. 6d. for English refined in casks, and at 26s. 6d. for Ravison; *Lagos Palm oil* is unaltered at 28s.; *Turpentine* is practically unaltered on the week, American closing at 27s. 9d. spot; and *Petroleum* is quiet at from 6d. to 6½d. for Russian, 6½d. to 6¾d. for ordinary refined American, and from 7¼d. to 7½d. per gal. for waterwhite.

OLIBANUM. The market has recently been cleared of siftings, there being nothing on offer. The nominal price is 16s. In the drug-auction 25 cases of good garblings sold at 30s. per cwt.

OPIMUM.—The market is decidedly firmer, and prices in primary markets have advanced fully 3d. to 4d. per lb. with few sellers. On the spot a very fair business has been done in both Turkey and Persian at a slight advance, and buyers are advised to take a little reserve stock in anticipation of a further advance. Turkey druggists' on the spot is quoted 12s. 6d. to 12s. 9d., and Persian is worth 11s. to 14s. as to test. The present advance is based on the fact that the prospects of the opium crops are somewhat changed, the rainfall previously reported not being so plentiful as it was at first thought to be, and it was immediately followed by severe gales, which quickly dried up the moisture in the ground, since when quite a drought has set in. In fact, more rain is urgently needed, otherwise the hitherto favourable outlook of the opium crop will become seriously changed. Writing on May 8, a Smyrna correspondent states that the sales for the week amount to 123 cases for America. Prices commenced at 106 piastres for extra Karahissar (equal to 11s. 9d.), and closing prices were 112 piastres (equal to 12s. 5d.) per lb. c.i.f. This rise in prices, as well as the haste with which exporters are shipping their goods without being dried, is attributed to the expectation that the American Government will shortly issue the official notice relating to the enforcement of the surtax of 50c. The rain which has fallen recently will greatly benefit the new crop. Market closed firmly with buyers. The arrivals amount to 2,158 cases, as compared with 1,387 cases. Another correspondent, writing on May 8, states that all firms exporting opium to America have been actively engaged during the past week, in view of the new Customs duties in the United States. This has been to the advantage of the Smyrna holders, who not only realised heavily stocks which had been so considerable as to cause them some anxiety in view of the reports of good crops, but also obtained a slight improvement in prices. The sales comprise 129 cases old and new extra Karahissar t.q. at from 11s. 6d. to 12s. 2d. per lb. c.i.f. terms European ports. Another Smyrna report, dated May 14, states that although some rain fell at the end of last week, and all buyers withdrew from the market in consequence, sellers still maintain a very firm attitude. The weather has been again very dry and hot this week, a feature which is not at all conducive to good results. Holders therefore thought fit to abstain from coming forward this week, and all that buyers could do were 32 cases for America, England, and the Continent at from 11s. 9d. to 12s. 9d. per lb. c.i.f.

OTTO OF ROSE.—Our correspondent in Bulgaria, under date of May 14, writes that the Balkan regions, which comprise the rose-district, often display very unexpected and extreme climatic changes. The numerous rainfalls which prevailed through the country during the first week of May caused such a big fall in the temperature at the end of that week that the rain, which was falling in the plains and valleys, was turned into snow in the higher parts of the Balkans, and, as is usually the case under such conditions, the first clear and starry night after the rainfalls brought quite a fall of white frost in many of the low-lying places

of the rose-district, causing considerable harm to the rose-bushes. Fortunately the frost was not general, but only partial, and the damage caused by it is limited. It will not affect much the prospects of the crop if the weather during the harvesting season proves propitious. It is chiefly the weather during the distillation that makes and unmakes the rose-crop. The cold weather during last Saturday and Sunday may retard the harvest by a few days. The newly fallen snow having rapidly disappeared, the temperature quickly rose, and now the weather is again warm and balmy.

PEPPER.—At auction 45 bags of Penang were bought in at 2½d. for light, 15 bags of fine Tellicherry at 3½d., 145 bags of fine Wynaad at 3½d., 20 bags of fine Saigon at 3½d., and 57 bags of Ceylon at 3½d. Privately the market remains quiet at 3½d. for fair Singapore, and for June-August shipment sellers quote 2½d. d/w.

PIMENTO is easier. At auction 130 bags offered and 40 sold at 2d. per lb. for fair.

QUININE.—Business is practically confined to small lots for consumption at unchanged rates. An occasional cheap parcel is offered now and again from second-hands—e.g., Amsterdam make at 19½d. per oz.—which has the effect of meeting the competition of Java make, which is offered at this figure. Best German brands are still quoted 7d. to 7½d. per oz. and the makers 7½d.

At the auction of quinine held by the Amsterdam Quinine Works on May 14, 1,417½ kilos. were offered, and sold at an average price of 10.564fl. per kilo., against 10.50fl. paid at the previous auction. The next auction will take place on June 1, when 1,417½ kilos. will be offered. The exports of "quinine, quinine salts, and combinations" from Germany during the three months ending March amounted to 34,100 kilos, being the same as in the corresponding period of 1908, and 61,300 kilos. in 1907.

SANTONIN.—The makers are still said to be unable to book orders for forward delivery, and in second-hands 12s. 6d. to 13s. per lb. is quoted for small lots.

SUETLAC.—At auction on Tuesday 723 cases were offered and mostly sold without reserve at irregular rates. Fine Orange was 5s. to 5s. lower, good to fine Second Orange was steady to occasionally easier, and TN steady at 65s. for fair free. Of Orange 539 cases offered and sold, including fine bright slightly matted at 85s. to 86s., fine lemony at 81s., good pale curly slightly matted 80s. to 81s., slight matted to matted 77s. to 79s., bright reddish flat free 75s. to 74s., curly bright slight matted to matted at 72s. to 73s.; TN superior free at 67s. to 69s., fair reddish livery free at 64s., fair bright red bronze slight matted at 62s. to 63s., dull reddish at 58s. to 60s., livery block at 54s. to 55s. Of 127 cases Garnet 102 sold—blocky AC at 61s.; GAL blocky sold 52s. to 54s., and common flat resinous free 51s. to 32s. Of 57 cases Buttons 29 sold, fine pale pure free firsts at 111s. to 115s., good bright blocky at 75s., and pale chips at 68s. Privately spot has been quiet, the value of fair free TN being 65s., and for arrival the sales include May-June shipment at 61s. 6d. and AC Garnet for October shipment at 61s. Futures have been dull. August has changed hands at 66s. to 65s., October at 66s., and December at 67s.

WAX (JAPAN) is dearer, business having been done at 43s. 3d. c.i.f. for May-June shipment; spot is quoted at 47s.

WOOD OIL is slow of sale at from 25s. 6d. to 26s. per cwt., spot, and for arrival 27s. 3d. c.i.f. is asked.

London Drug-auctions.

In view of the Whitsuntide holidays, the next auctions will take place a month hence (June 17). Probably on this account the demand to-day was better than usual. Cape aloes realised fully steady rates, especially the lower qualities; Zanzibar in skins and Socotrine were neglected; balsam tolu is slightly easier, but for buchu a further advance was paid; Sumatra benzoin sold in quantity, but at a slight decline; cuttlefish bone is plentiful and lower, while easier prices were also accepted for cassia fistula; cardamoms were flat with a generally easier tendency; cascara sagrada is firmly held; fine dragons' blood is now plentiful, but neglected, as is elemi; Jamaica honey was in excellent demand at generally steady prices; Matto Grosso ipecacuanha appreciated fully 1d. on previous sales, but Cartagena is neglected; myrrh is abundant and sold at lower rates; grey Jamaica sarsaparilla was steady, but buyers were not inclined to pay previous

rates for the native; Tinnevely senna was unaltered, and the usual descriptions of beeswax were steady.

Aloes—	Offered	Sold
Cape	35	35
Socotrine (kegs) ..	6	0
Zanzibar (cs.) ..	4	0
Ambergris (tin) ..	1	0
Aniseed	10	0
Annatto-seed	15	0
Araroba	12	0
Asafetida	4	0
Bael fruit	5	0
Balsam—		
Tolu	13	10
Benzoin—		
Sumatra	168	61
Buchu	33	33
Camphor (Ch. cr.) ..	5	0
Cardamoms	304	118
Cascara sagrada ..	125	0
Cassia fistula	21	21
Chiretta	13	*13
Coca-leaves	5	0
Cochineal	6	0
Cuttlefish bone ..	163	81
Dragon's blood	22	1
Elemi	20	0
Ergot (Span.)	8	0
Eucalyptus leaves ..	5	0
Galls	1	1
Gentian	60	0
Gum arabic	61	1
Honey—		
Hayti	34	34
Jamaica	306	229
Ipecacuanha—		
Cartagena	21	0
Matto Grosso	12	7
Jalap	27	0
Kamala	3	0
Lime-juice	1	0
Musk (tin)	1	0

*Sold privately.

ALOE.—Cape aloes was steady, especially for the lower qualities; 35 cases Mossel Bay (usual 20 per cent. tares) sold at 32s. 6d. to 33s. for good to fine hard bright, 31s. to 31s. 6d. for fair seconds, and 28s. to 29s. 6d. for ordinary dull soft, partly mixed with sand. Four cases of Zanzibar in skins were shown, fair bright hepatic of which were limited at 70s., and for stiff pasty Socotrine in kegs 90s. was wanted.

ARAROA.—Six cases were held for 2s. per lb., the test being, according to Pary, 52 to 53 per cent. chrysophanic acid; and for a further 6 cases offered by another broker, testing 54 per cent., 4s. was wanted.

BAEL FRUIT.—Five bags fair dried slices were retired at 6d., a sporting bid of 1½d. was refused.

BALSAM TOLU.—Easier. Fair quality, in large tins, sold at 9½d., and slightly drossy at 9d., per lb.

BENZOIN.—The interest centred in a parcel of 77 cases Sumatra, the bulk of which sold at a slight decline. Thirty cases of fair almond seconds, with rather false-packed sides, sold at from 6l. to 6l. 10s.; and 27 cases ordinary seconds, with small to bold scattered almonds, sold at from 5l. 5s. to 5l. 7s. 6d.; a further 4 cases of better quality realised 5l. 15s. per cwt.

BUCHU was in strong demand, 33 bales being offered and sold at from 1s. 3d. to 1s. 4d. per lb. for fair to good green round leaf, and 1s. to 1s. 1d. for slightly yellowish and part stalky. Several parcels of "oval" leaf were offered and all sold at from 5½d. to 6½d. for fair to good green, and for greenish "longs" 6½d. to 6¾d. was paid.

CARDAMOMS.—Met with a slow sale, about one-third only finding buyers at generally easier rates, the following prices being paid: Indian from Tuticorin (Mysore character), good bold pale, 2s. 5d.; bold and medium pale, 2s. to 2s. 2d.; small and medium pale, 1s. 8d. to 1s. 9d. Bold splits, 1s. 10d.; medium splits, 1s. 6d.; bold, fair reddish, 1s. 11d.; medium ditto, 1s. 4d. Ceylon-Mysore, extra bold pale, 2s. 2d., subject; good bold palish to pale, 2s. to 2s. 1d.; medium and bold palish to pale, 1s. 9d. to 1s. 11d.; small and medium palish to pale, 1s. 3d. to 1s. 8d.; small palish to pale, 1s. 3d. to 1s. 6d.; seed, 1s. 9d. per lb.

	Offered	Sold
Musk seed	3	3
Myrrh	34	20
Nux vomica	20	0
Oil—		
cinnamon (bot.) ..	10	0
clove	5	0
cod-liver (Newf.) ..	5	5
eucalyptus	20	0
lime	1	*1
orange	2	0
Olibanum	70	25
Orange-peel	1	1
Orchella weed	40	0
Orris	16	16
Quillaia	20	0
Quince seed	3	3
Rhubarb (China) ..	20	0
Sarsaparilla—		
Grey Jamaica	41	38
Lima-Jamaica	6	0
Mexican	5	5
Native	31	14
Scopolia	5	0
Seedlac	65	0
Senna and pods—		
Alex. (pods)	8	8
Tinnevely	255	165
Squill	27	4
Tamarinds (W.I.) ..	31	18
Turmeric	240	33
Wax (bees)—		
Australian	2	2
Cape	2	2
East Indian	17	0
Jamaica	28	10
Madagascar	23	23
Morocco	1	0
West Indian	1	1
Zanzibar	119	0
Wax (veg.) (Jap.) ..	10	0

CASCARA SAGRADA.—For 25 bags dark rough 1904 crop 42s. 6d. was refused, and a bid of 40s. was also refused for fair 1906 crop.

CASSIA FISTULA.—Rather easier, 21 bags of Dominican finding buyers at 16s. 6d. per cwt. subject for fair pod of the usual rattly character.

CUTTLEFISH-BONE is arriving in quantity, and in consequence rather lower prices were paid to-day. Fifty bales and 30 cases were sold at from 4d. to 4¾d. per lb. for good, extra bold pale Bombay bone, slightly broken, and for damp broken 2¾d. was paid. A case of small broken pieces found a buyer at 2d.

DRAGON'S-BLOOD.—Fine fiery reboiled lump is now plentiful, but there were no buyers in auction: 12l. is the limit for such quality, the highest obtainable bid being 11l. 5s. A single case of dull bricky lump sold at 7l. 10s.

HONEY.—Jamaica sold well at about steady prices, including good pale set at 30s. to 31s., fair setting 27s. to 28s., ordinary brown set and setting 25s. to 26s. 6d., common 24s. per cwt., fair to good liquid amber 28s. 6d. to 31s., middling to fair liquid 26s. to 27s. 6d., brown and dark ditto 24s. to 25s. 6d. per cwt. In tins good amber liquid sold at 32s. 6d. and fair at 28s. 6d. to 30s. Thirteen barrels Hayti sold at 30s. to 31s. for set white of good flavour.

IPECACUANHA.—About 1d. per lb. dearer than last sale. Eleven bales only of Matto Grosso were offered, of which seven sold at 5s. to 5s. 1d. per lb. for ordinary dull lean, and 5s. 3d. for good bright stout. A new lot of 21 bags Cartagena was offered and retired at 4s. 6d., the broker intimating he would commence business at 4s. 4d. for good clean stout root.

JALAP.—A lot of 27 bags fair small to bold tuber (without test) was withdrawn, no price being named.

MYRRH.—Lower. Six cases good Aden native-picked sold cheaply at 70s., eight cases good siftings at 41s. subject, four cases dark pickings at 32s. 6d. subject, and two cases dust at 30s. 6d. per cwt.

OIL. EUCALYPTUS.—Forty-five cases, catalogued as *globulus*, were bought in at 1s. 4d., the broker intimating he would clear the parcel at 1s. 3d.

ORRIS.—In auction 16 bags of good Florentine sorts sold at 34s. 6d. to 35s. per cwt., without reserve, the terms being no discount, gross for net.

QUINCE-SEED.—A scarce article, sold at 1s. 11d. per lb. for 8 bags fair Cape.

SARSAPARILLA.—Grey Jamaica met with the usual good demand; 41 bales being offered and sold at steady rates, from 1s. 4d. to 1s. 5d. being paid for fair to good, part slightly rough, and 1s. 2d. to 1s. 3d. for coarse rough. Buyers were not quite so keen on the Native-Jamaica, 31 bales offering of which 14 sold at about steady rates, including 1s. 2d. for fair red, and 10d. to 1s. for dull red and yellow mixed. Six bales Lima were bought in at 1s. 2d., and 5 bales Mexican sold at 4½d. per lb.

SENNA sold at unaltered rates for leaf, while pods were easier. Small common dark specky realised 1½d. to 1¾d., and small ordinary specky 2½d. Dark to fair pods sold at 3¾d. to 4d. per lb. Eight bales good pale Alexandrian pods sold at 5¾d. subject.

TAMARINDS.—Twelve barrels of good pale juicy Barbados were held at 12s. 6d.; and for 18 packages of rather dark Antigua 8s. was paid in bond.

TURMERIC.—Thirty-three bags of Bombay bulbs sold at from 14s. to 14s. 6d. per cwt.; and for a few packages of medium to bold flat African finger of good colour, shipped from Chinde, no bid was made.

WAX (BEES').—In auction about a dozen packages of Jamaica sold at 7l. 15s. for fair orange to brown, and for a case of dark brown 7l. 10s. was paid. Two boxes of grey Australian sold at 8l. per cwt., and fair bleached Calcutta was held at 7l. 12s. 6d. Two cases good clean bright yellow Cape sold at 8l. 2s. 6d. per cwt., and 23 packages Madagascar realised from 6l. 10s. to 6l. 12s. 6d. for ordinary dark to fair brown block; 119 bales Zanzibar had not arrived in time for the sale.



TO CORRESPONDENTS.—A letter for publication should always be a distinct communication; nothing else should be mixed up with it. Each query—no matter whether legal, dispensing, or general—should stand by itself, and the paper upon which it is written should always be backed with the shop stamp. We do not undertake to reply to queries by post. Write clearly and concisely on one side of the paper only. All communications should be accompanied by the names and addresses of the writers. Publication of letters does not imply our agreement with them. Letters received after Wednesday morning cannot as a rule be dealt with in the current week's issue.

BUSINESS INFORMATION.—We supply by post (when a stamped and addressed envelope is provided) information as to the makers or agents for articles connected with pharmacy and the chemical and drug trades. Inquiries regarding any articles which cannot be traced are inserted under "Information Wanted."

Compounding in Ireland.

SIR.—In your article on medical prescriptions you seem to hold the view that a registered druggist cannot legally make up any medical recipe if handed in by the public, and that it is doubtful if he is entitled to make up a mixture originated by himself. Section 30 of Pharmacy Act reads:

It shall be unlawful for any person to sell or keep open shop for retailing, dispensing, or compounding poisons or medical prescriptions, or for any person to compound any medicines of the British Pharmacopœia except according to the formularies of the said Pharmacopœia.

This surely makes it legal for any person to compound medicines of the Pharmacopœia, provided they compound such medicines according to the formularies thereof. Section 31 makes a distinction between compounding poisons and medical prescriptions, and compounding other poisons not contained in medical prescriptions. Section 5 of the Amendment Act entitles

all registered druggists to keep open shop for the sale, retailing, or mixing of poisons, but not medical prescriptions.

Mixing here has the same meaning as compounding. Section 17 of the same Act provides that:

Any person keeping open shop for selling, retailing, or mixing poisons shall for the purposes of this Act be held to be the retailer and compounder of poisons therein.

Here the word "compounding" is used as the equivalent of mixing. It must not be forgotten that the Pharmacy Act, 1875, did not interfere with those who were already in business on their own account, and they had long been in the habit of compounding everything that was offered except prescriptions by qualified medical men.

Yours truly,

Belfast, May 17.

SAMUEL SUFFERN.

SIR.—Referring to the prosecution of certain druggists in Belfast, as reported in your journal of May 15, there are one or two points I wish to refer to. In the first place, the so-called prescription had no patient's name written on it; it was therefore ordered for no person, and, that being the case, I think it technically resolved itself into simply an order for certain drugs or articles. In fact, the main point on which the prosecution relied, and on which the druggists were convicted, was that they had been foolishly advised and induced to sign an admission and apology to the Society in the hope of preventing a prosecution without having "under privilege" written on it: so that, whether or not it was a prescription, the prosecution relied on the fact that they had admitted in the apology that they understood it to be a prescription, and therefore in any case they were guilty, and this apology was produced against them in court. I enclose a prescription (?) produced in court by the defence. [This is a note written by a medical practitioner certifying that a person named]

in it is to take a bottle of stout each day.] Is this a prescription or not? If filled by a publican, he breaks the Pharmacy law; if by a chemist, the Excise laws; so you are between the rocks and the deep sea. As regards a prescription written by any other person than a fully qualified medical practitioner, in the case of a well-known limited company in Belfast, with a pharmaceutical chemist as principal director and a pharmaceutical chemist at the retail counter, the Pharmaceutical Society originally accepted their certificates of apprenticeship; but since the decision that limited companies are outside the Act for prosecution, they are also outside the Act for accepting their certificates, although the certificate in question is similar to what they formerly accepted, yet as coming from a limited company it is no certificate and valueless as such; so also as a student or any other person not having obtained their degree in medicine, and not being on the Medical Register, cannot recover any fees for advice given in the form of a prescription or otherwise (they being deemed to be outside the Act). It follows as a logical sequence that the document given, although written in the usual way or form, is no more a prescription than is the certificate given by a limited company no certificate. As regards initials on prescriptions, they are not a reliable method of verification and liable to mistakes, as I could verify, and won't hold good in law in reference to any known legal document.

JAMES D. CARSE.

Increased Duty on Spirits.

SIR.—I see it is agreed that the price of spirits of wine used in tinctures and petrol should not be increased until the article has paid the extra duty. Now, supposing this extra duty to be removed next year, will the Chancellor of the Exchequer allow a rebate for stock on hand which has paid duty, or will the loss consequent upon the reduction of price fall upon the holder? If not, then, it seems to me that the gain at this time will compensate for the loss of the future.

Yours truly,

E. YEWDALE.

An Appreciation.

SIR.—I have been perusing your columns during the past few weeks respecting the certificate of qualification, and very largely endorse the sentiments expressed by your many correspondents respecting this important matter, also the noble stand you took, Sir, in defending our cause in the manner you did. The opinion of such eminent counsel as Mr. Danckwerts could not be disputed. It seemed absurd that qualified men should be called upon to remit 1s. per year in order to renew their names on the register—whether they had the original certificate or not. I do not believe in this "hook and crook" policy. I agree very largely with your correspondent "Salol" some weeks since. If the Society want more subscribers why have not they looked more after our interests in the past? If it is now too late to wage war against the stores and drug companies in the matter of "cutting," the P.A.T.A. ought to have taken its inception from Bloomsbury Square instead of another party taking it up. I agree with "Salol" on the "exemption from jury service," which I consider a very pressing matter. Lastly, they intend to divide the "Minor." In all fairness, I ask, when the examination was altered to two days some years since, why was it not stipulated that where a candidate passed his first, but did not succeed his second, day, that when he again entered he should be only examined in what he failed, like the medical? Once men are "through," they do not overlook this high-handed policy on the part of the Society, and I think by this policy of "red tape" it has cost the Society many a "polished guinea." I deeply sympathise to-day (as a qualified man) with those men who have presented themselves time after time, succeeded the first but not the second day, in the end giving it up as a hopeless case; which, if the stipulation was in force as indicated above, would to-day be qualified men, and also the Society would be better off financially in the bargain. Fair play is a jewel. Let the "powers that be" get this motto inoculated into their minds, and they will ultimately find it will be to their material advantage.

Yours truly,

VALENCY. (55/6.)

Chemists and Dentistry.

SIR,—I also agree with "Chemist-Extractor" that it is quite time some action was taken to form an Association of Chemist-Extractors of Teeth. It was in November last that I tried to rouse the trade to what was going on in the dental world, and the probability that chemists would not only be left out in the cold, but wiped off the map altogether as far as extracting teeth is concerned unless they took more heed of the subtle way in which the British Dental Association was working to get the whole of that class of business into their own hands. If I am not mistaken, Sir John Batty Tuke introduced a Bill into Parliament to make it illegal to draw a tooth unless registered as a dentist. That was the first. The last attempt was the Anæsthetics Bill, which Sir John thought "unnecessary and unjust." Had the Anæsthetics Bill become law one has only to read Squire's list of anæsthetics to see how far it would have disabled ordinary business. Referring to the Adaptors and Extractors' Association, Ltd., their rules preclude almost all chemists from membership; but the Association has done good work in opposing any amendment of the Dentists Act that did not recognise those outside the pale, and grant some concession to them, as being wholly engaged in and absolutely dependent upon the business. Still, they rather regard the chemist extractors of teeth as trespassers on the estate on which they themselves are looked upon as poachers. However, we have a great deal in common, especially as we are all the butt of the persecution (as well as the prosecution) of the so-called "Society of British Dentists," composed mainly of those who purchased their title, which has constituted itself the secret-service agency of the British Dental Association. The Chairman of the S.B.D. is, I am sorry to learn, one of our own fraternity. I am glad to find others are wakening up a little, and whether it be the Act that is defective, or that we were unfortunately born too late, let us form an Association for defensive purposes, if for no other, that we may hold to our prescriptive right, which the public has always recognised—i.e., the poor man's tooth-doctor.

Yours very truly,

U. D. P. (52/58.)

[We have received a few more letters in response to "J. L. S.'s" appeal to chemists who extract teeth and want to protect their rights in that matter, but many more will have to wake up if anything is to be done to insure some defence of their interests.—EDITOR *C. & D.*]

A Proving of Arsenic.

A pharmacist (170/74) in the Far West of Canada sends us the following account of an experience which happened to a *confère* recently, for the truth of which he vouches:

The pharmacist was discussing the respective merits of strychnine and arsenic with a customer, and the question was raised as to whether arsenic has an odour or not. The pharmacist was of the opinion that there is no odour, and to prove the fact went to the poison-cabinet and took out a small bottle of pulv. arsenic. alb., and, taking out the cork, smelt the contents. Having satisfied himself and his customer that arsenic is devoid of odour, the subject was dismissed, and the customer finally concluded his purchase by taking with him some strychnine for killing wild animals.

Half an hour afterwards, while the pharmacist was waiting upon another customer, he experienced peculiar sensations; the customer became indistinct, blurred, things began to whirl, his eyes seemed to be pushing themselves out of their sockets, and a peculiar numbness stole over him. Leaving the customer, the pharmacist went into the back store, and, with thickened voice, told his clerk he would have to finish serving the customer. The clerk hastily concluded the transaction and came to his master's help, procured a glass of water, which the stricken man managed to get to his lips at the first attempt, but on a second he had to bend to the glass, and on the third was powerless. The clerk had evidently concluded that it was nothing but a bilious attack up to this time, and asked "how he was feeling now?" The reply made him get busy at the 'phone for a doctor. "Who did we have preaching for us last Sunday?" said the pharmacist, as well as his thickened speech would allow. The doctor was at last caught, and upon arrival pronounced arsenical poisoning, and administered a hypodermic injection of apomorphine. The patient's eyes were by this time protruding, his vision quite impaired, so that all objects above the ground appeared distorted and doubled. His sense of feeling was such that to touch one part of his body with his own hand seemed to him as if he was touching another person. These symptoms continued for half an hour, when vomiting

ensued, and then, like a flash, things began to right themselves; feeling came back, the vision cleared, the voice became more natural, and he began to smile at his experience. It was not until the following morning, some fourteen hours afterwards, that the eyes resumed their normal condition. I refrain from comment, but would point out that it is not wise to take a deep inhalation from a bottle containing arsenic. alb. pulv., as the foregoing has proven.

Openings in Spain.

A *Traveller in Spain* (25/23) writes: "Whatever may be said as to French lack of commercial enterprise as compared with other countries, anyone who travels in Spain can hardly fail to be struck by the way French proprietary medicines are pushed in this country. One sees them, of course, in pharmacies, etc.; but the point which may interest English firms is the extensive manner in which they advertise in the Spanish journals. In 'Nuevo Mundo' (the best of the bright little illustrated weeklies which are the redeeming feature of Spanish journalism, otherwise unenterprising) about half the 'ads.' are French proprietary medicines. The pushful German is, of course, represented, but not to any undue extent; one English advertisement only figures, and this is evidently a counterblast to 'Emulsion Scott,' which is advertised to a great extent here. Most people outside Spain imagine it all a sort of sunny Andalusia, but it is a terrible country for colds and coughs. One needs to travel here in bad weather to recognise this and understand why these pectoral remedies are so largely sold here. My experience hitherto has been mostly confined to larger Spanish cities, but going through a comparatively small out-of-the-way town the other day, I saw the same thing; the products figuring in the pharmacist's window alternately French and Spanish. As there is no reason, except proximity and slight similarity of language, why French manufacturers should do better than English, one wonders whether there is not an opening here. English products, I believe, are specially popular here since the King's marriage to an English princess."

[In connection with the above we may give a hint to young chemists who have a desire to specialise after they have obtained the certificate of qualification; the line of study which we suggest is Spanish. It is not a difficult language for a pharmacist to learn (being one of the Latin tongues), and it is desirable that colloquial facility should be acquired. The reason for our suggestion is that positions as travellers are occasionally available for British pharmacists who can speak Spanish.—EDITOR *C. & D.*]

Australia for Pharmacists.

SIR,—That article on Australia was finely written and a real pleasure to read, and if *C. & D.* readers have missed it let them turn back to April 24, p. 623. Much of it would equally apply at home, especially the part about the men who go whining to wholesalers for a loan and then squeal if the prices are not as "cut-throat" as some second-rate house. The article was full of sound information and made me think of the many wretched cold years I have spent in this country. I am no grumbler. I simply starve through the winter. Nature gave me highly geared senses and punishes me with a tender hide which abhors thick clothing. Our winter is right for the outdoor man, but I have to work in a shop and play golf with cold bottles. No wonder I dream of Australia.

J. M. (37/10.)

Prices of Photographie Goods.

SIR,—In last week's *C. & D.* a Batley correspondent writes that it would be interesting to know what the plate and paper makers say to the aggravated form of cutting indulged in by the Batley Co-operative Society, Ltd. I do not know what they might say now; but when, two years ago, I called the attention of four of the principal manufacturers of plates and papers to the fact that a society in my town was selling their products at a discount of 17½ per cent., while I was bound down to retail at full prices, they replied, with one accord, "We cannot help it." While writing on the subject of co-operative discounts, it may interest your readers to know that a few weeks back the same society had a window-show of the infants' foods put on the market by a firm whose list of protected articles occupies more than two pages of the 1909 "P.A.T.A. Year-book."

Yours, etc.,

OBSERVER. (48/47.)

Miscellaneous Inquiries.

We endeavour to reply promptly and practically to trade questions of general interest, but cannot guarantee insertion of replies on a particular date, nor can we repeat information given during the past twelve months. A preliminary condition for reporting on samples submitted is that all particulars as to source and uses are given to us.

C. T. J. (Perak) (11/3). (1) ESTIMATING THORIUM IN MONAZITE SAND.—Benz, in the "Zeitschrift für angewandte Chemie," recommended the following process for estimating thorium (the chief ingredient) in monazite sand:

Half a gram of the very finely ground sand is mixed with 0.5 gram of sodium fluoride and cautiously fused with 10 grams of potassium pyrosulphate in a covered platinum crucible until the evolution of gas has ceased. The crucible is then heated to redness for fifteen minutes over a bare flame; the melt is next extracted with hot water acidified with hydrochloric acid, the insoluble portion is filtered off, boiled with somewhat concentrated hydrochloric acid, the liquid diluted and filtered. The thorium is thus extracted completely from the sample. The free acid in the solution is carefully neutralised with ammonia (care being taken not to produce a permanent precipitate of phosphate, which could only with difficulty be redissolved), and from 3 to 5 grams of solid ammonium oxalate is added to the boiling solution, which is then vigorously stirred. This precipitates the thorium entirely, the presence of free acid preventing the ammonium oxalate from retaining any in solution, a moderate amount of free acid having itself no solvent effect. After standing overnight the precipitate is collected, washed, and transferred to a porcelain basin, the filter-paper being washed repeatedly with hot concentrated nitric acid and the liquid evaporated nearly to dryness on a water-bath. A few c.c. of concentrated nitric acid (sp. gr. 1.4) is added, then 20 c.c. of fuming acid; the basin is covered with a glass and heated on the water-bath. The conversion of the oxalates into nitrates takes place readily, but not too violently. The liquid is evaporated to dryness, the residue again evaporated with water to remove all free acid, taken up with water, filtered, the solution brought up to about 100 c.c., ammonium nitrate added, and the thorium precipitated by hydrogen peroxide at 60°-80° C. The precipitate may then be either dissolved in nitric acid for a second precipitation or ignited directly to thorium oxide, which can be done successfully while partly dry and still enclosed in its filter-paper, first in a platinum spiral and then in a capsule. The minute amount of co-precipitated cerium at the last stage can be determined colorimetrically and deducted.

(2) CHINESE WHITE is a zinc-white (zinc oxide). For gun-sights it is best ground perfectly smooth with mucilage of tragacanth.

O. G. (19/32).—LAMBING-OILS.—See *C. & D.*, May 30, 1908, p. 847; June 13, 1908, p. 917; or "Veterinary Counter-practice," p. 337.

A. H. (19/13).—BOOKS ON AGRICULTURAL CHEMISTRY.—Dymond's "Course of Chemistry for Agricultural Students" (2s. 6d., Arnold); Ingle's "Manual of Agricultural Chemistry" (7s. 6d., Scott, Greenwood). The latter would probably best fulfil your requirements.

H. O. W. (21/52) writes about a difficulty he has found in preparing MILK OF ROSES ("P.F.," I.), viz.:

Blanched almonds	...	...	5ij.
Curd soap	...	...	5ss.
Spermaceti	...	...	5ij.
Almond oil	...	...	5ss.
Rectified spirit	...	...	5ss.
Tincture of benzoin	...	...	5ij.
Otto of rose	...	...	℥v.
Oil of rose-geranium	...	...	℥v.
Glycerin	...	...	5iiss.
Rose-water	...	...	5xxx.

Melt the spermaceti and oil together, add the curd soap, and continue the heat until uniform; then transfer to a warm mortar and add gradually about an ounce of the rose-water, boiling. Beat up the almonds well in another mortar and add the spermaceti mixture to this paste. Mix thoroughly and stir in the remainder of the hot rose-water to form an emulsion. To this add the oils dissolved in spirit and tincture, strain through fine calico, and make up to 20 oz. with rose-water passed through the material on the strainer.

An alternative process is to pound the soap and almonds in a warm mortar, add the spermaceti and almond oil heated together, rub thoroughly, emulsify with the hot rose-water, and finish as above.

[In order to get uniform results it is necessary to use materials which do not vary in composition. The only con-

stituent of this preparation which is liable to variation to any appreciable extent is the soap, and we think you are right in attributing to it the chief cause of the difficulties you have encountered. The formula prescribes curd soap. Curd soap of the Pharmacopoeia naturally suggests itself. Its composition is defined. Employing it we have made a number of experimental batches and kept them under observation from ten to fourteen days. When the full quantity of soap ordered is used the product is rather thick and stringy; with half the quantity it is still a little stringy, but lacking in body when poured out and rubbed on the skin. The preparation containing the full quantity of soap is excellent, but for its being stringy, so that all that is required is to correct this condition. Borax has the effect of "cutting" the stringy condition of soap solutions. If, therefore, a small quantity of it be added to the preparation it assumes the proper character of "milk." Twenty grains to the formula quantity is about correct. The following method of manipulation is a variation on that given with the formula. We find it works well. Make an emulsion with the almonds and about 4 oz. of the rose-water. Dissolve the soap in 6 or 8 oz. of the rose-water on a water-bath. Melt the spermaceti in the almond oil on a water-bath. Then pour the oil and spermaceti into a warm mortar, gradually stir in the soap solution, the almond emulsion, glycerin, and oils dissolved in the spirit and tincture. Finally make up to measure with the remainder of the rose-water, cold, in which 20 grains of borax has been dissolved. This method avoids the necessity for straining the whole through calico at the end of the process. If the almond emulsion be strained by itself there is no need for further straining.

We have tried one batch with half a grain of tragacanth to the ounce, and we think it improves the "milk." If you have any further difficulty kindly acquaint us, and we shall endeavour to help you.]

Thyme (49/39).—SYR. THYMI CO., D. A. V., is the preparation you want. The formula is:

Sodii bromidi	...	...	gr. xxiij.
Ext. thymi co.	...	...	5iv.
Syrup. simp. ad	...	...	5xxxvj.

All by weight. See also "Pharm. Form."

Ext. thymi fl. is made by macerating 500 grams of powdered thyme in a mixture of rectified spirit 70 grams, water 125 grams, and glycerin 50 grams for two or three hours, transferring to a percolator and continuing percolation with a mixture of spirit 1 and water 3 until 175 grams of percolate is obtained. Reserve this and continue percolation until another 1,500 grams of percolate is obtained. With 130 grams of this second percolate mix 30 grams of glycerin; moisten 325 grams of powdered thyme with this, pack in a percolator as before, and continue percolation with the second percolate. Add the first 325 grams that come through to the reserved 175 grams first obtained. Proceed with the percolation and mix 70 grams of it with 20 grams of glycerin, with which moisten another 175 grams of powdered thyme; percolate with the last-obtained percolate until another 500 grams of percolate is obtained, which mix with the reserved mixture.

J. J. O. (41/45).—NITROGEN-PRODUCING BACTERIA.—The source of the nitrogen-producing bacteria sold for inoculating leguminous and other crops is the nodules or swellings which form on the roots of the leguminous plants. The nodules are cleaned thoroughly, broken open, and their contents spread on gelatin, where they are cultivated. After cultivation one of the colonies is transferred to a second plate and again cultivated, the process being successively repeated until what is believed to be the pure cultivation of the organism peculiar to the plant in question is obtained. This is under proper precautions transferred to agar-gelatin contained in the bottom of a glass bottle or flask holding some 8 to 10 oz., and on this the pure cultivation is subsequently allowed to grow. This material is then ready for fertilising the ground for the growth of agricultural crops. The usual way is to gently warm the mass and pour it into a vessel containing the moistened seed, well mixing and finally adding some dry fine soil to absorb any excess of moisture.

Advance (35/30).—(1) Refer to the series of articles on "Modern Skin-creams" which appeared in the *C. & D.* during April. (2) In regard to the use of the word "pharmacy" by chemists and druggists, refer to the editorial comment in the *C. & D.*, April 10, p. 564.

A. W. P. (32/55) and *H. D. K. (37/65).*—We cannot undertake to analyse the ointment you send.

Quercus (47/65).—The ink could probably be made waterproof by dissolving the aniline dye in a base made by boiling 1 oz. shellac and 2 oz. borax in a pint of water.

A. H. A. (43/36).—LAWN SAND.—This is the title under which you will find "Daisy Salt" in "Pharmaceutical Formulas."

F. D. (Budapest) (43/61).—GREEN PHOSPHORUS PASTE is the usual paste coloured with chrome green (chromium oxide).

To the Trade.

The enormous increase in the Duty on Spirits imposed by the Chancellor of the Exchequer in his Budget has rendered necessary the adjustment of prices of Odol as follows:—

GRAND DOUBLE FLASK - 4/6 Retail; 1 dozen bottles, 45/6.
 FULL-SIZE BOTTLE - - 2/6 Retail; 1 dozen bottles, 24/3.
 HALF-SIZE BOTTLE - - 1/6 Retail; 1 dozen bottles, 15/6.

5% Discount on Orders of £5.

2½% " " " " £3.

Carriage paid on orders amounting to £2 10s. and upwards.

TERMS: Net Cash against Monthly Statement.

Retail Prices are now protected by the P.A.T.A. at FACE VALUE.

SPECIAL OFFER.

Wishing to recognise in a substantial manner the kindly interest always shown by the Trade, and the pleasant relations existing between us, we have decided to offer our present stock of Odol to our esteemed customers at the rate obtaining previous to the imposition of the extra Duty, and to give them all benefits and advantages.

Every order received within the next few days—until our present stock is exhausted—for not less than three dozen bottles will be accepted at the old rate, on the condition that an order is given at the same time for an equal quantity at the new prices.

These orders will be executed in rotation as received.

It is more advantageous for the Trade to sell and for the public to buy the two larger size bottles, and we respectfully advise that the Grand Double Flask and the 2/6 Bottle are principally recommended to customers.

No efforts will be spared on our side to increase by judicious advertising the already wide popularity our Dentifrice has acquired during recent years.

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LIME CREAMS in all sizes

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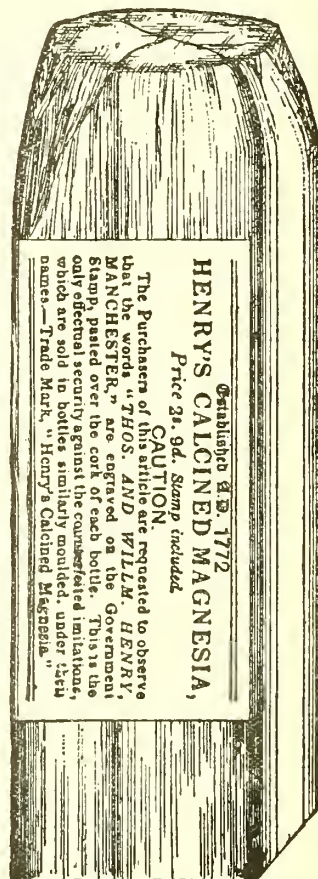
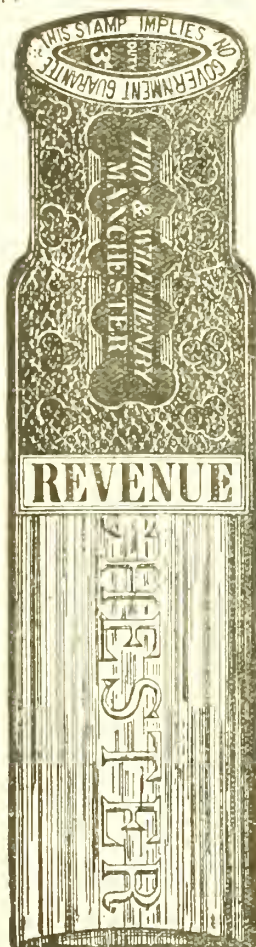
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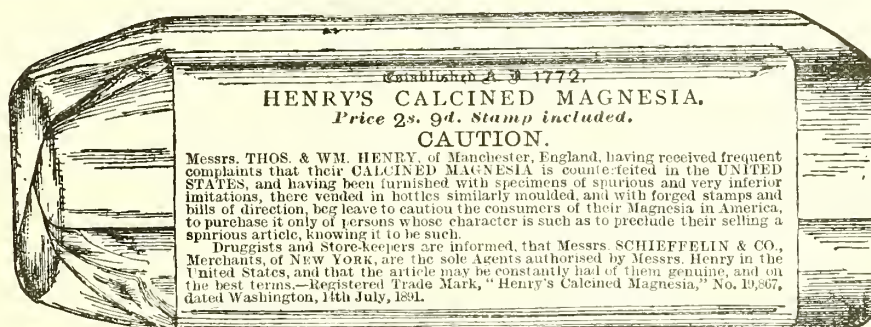
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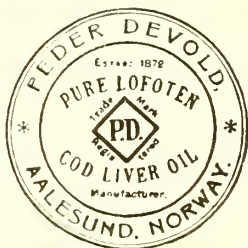
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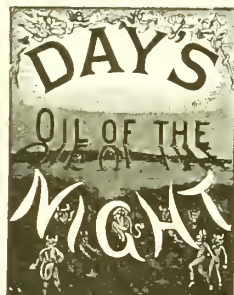
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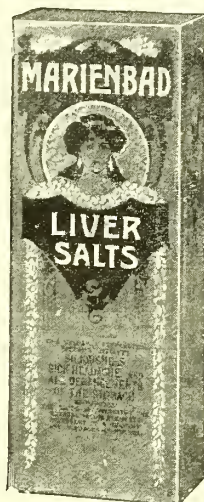
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Price	8/9	8/6	8/3	doz.



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	Doz.	6 doz.	12 doz.	
Price	6 oz. 7/-	6/9	6/6	doz.
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*Ask us to send you samples of our newest cartons;
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OXFORD WORKS, TOWER BRIDGE ROAD, S.E.

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BLANDFIELD CHEMICAL WORKS, WHEATFIELD ROAD, EDINBURGH; 22 CITY ROAD, LONDON; 37 WASHINGTON STREET, GLASGOW.

VITTORIA LIQUORICE JUICE. THE FINEST AND PUREST OBTAINABLE.

8½d. per lb., 75/- per cwt. in 2-oz. and 4-oz. sticks.

*Specialities:*Essential Oils, High Class Powders from Specially Selected Drugs,
Crude Drugs of all Descriptions.*Correspondence in French, German, Spanish and Portuguese.**Indents executed for all Classes of Goods on Commission Basis.***HORNER & SONS, 24 George Street, Tower Hill, London, E.C.***C. F. Boehringer & Soehne, Mannheim
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Germany.***COCAINE BOEHRINGER.**

SULPHATE OF QUININE AND ALL CINCHONA PREPARATIONS.

Acetanilid,
Atropine,
Caffeine,Chloral-Hydrate,
Codeine,
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Santonine,Eserine,
Guaiacol,
Hydrastine,
Terpin-Hydrate,Hydroquinone,
Lactophenine,
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WE CAN MAKE CUSTOMERS' OWN EXTRACT TO THEIR INSTRUCTIONS. OUR EXTRACT DOES NOT CRYSTALLIZE OR FERMENT. WE CAN MIX COD LIVER OIL UP TO 20 PER CENT. AND GUARANTEE IT NOT TO SEPARATE.

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**PREMIER
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**ALL
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EXTRACTING MILLS,
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<u>One Shilling size</u>	Under 6 dozen 10/- per dozen net. Cash with order.
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Retail Price P.A.T.A. PROTECTED 1/- and 4/- face value. Carriage paid on all goods.

Attractive Show Cards, Window Slips, &c., Free on Application.

IRON-OX

TABLETS.

To be obtained from all the principal Wholesale Houses or direct from THE IRON-OX REMEDY CO., Ltd., 20 Cockspur Street, Trafalgar Square, London, S.W.

THE LEADING LINE IN PATENTS

QUICKEST SALES

BEECHAM'S PILLS

May now be had in **£5** Lots, at Lowest Prices, Carriage Paid. Packages Free.

ORDERS must be accompanied by Cash. Cheques to be made payable to Thomas Beecham, and crossed "Parr's Bank, Limited, St. Helens."

PRICES. —Beecham's Pills, 13½d. size (56 pills)	PER DOZEN.	9/6
„ 2s. 9d. „ (168 „)		25/-
Beecham's Tooth Paste, 1s. size ...		7/6

ADVERTISING MATTER to suit Retailers' requirements will be sent on application.

Address—**THOMAS BEECHAM, ST. HELENS, LANCASHIRE.**

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James Woolley Sons & Co. Ltd.

SPECIALITIES.

BOROTHYMOL (Woolley).

Composed of Thymol, Eucalyptol and Menthol, with Boric and Benzoic Acids.

BROMOCHLORAL (Woolley).

A preparation containing Chloral Hydrate and Alkaline Bromides, with Extract Indian Hemp, Henbane, &c. Reliable Sedative and valuable Hypnotic.

CASCARA PURGANS. (Woolley.)

A concentrated, active and agreeable preparation of well-matured Cascara Sagrada, in which the bitter principle is covered by aromatics.

ELIXIR PALMETTO COMP. (Woolley).

A preparation of the fruit of Saw Palmetto (*Serenoa serrulata*) with English Sandal-wood Oil and aromatics. It is tonic, sedative, and diuretic in its properties.

ELIXIR TERPINI CO. (Woolley).

1 fluid drachm = 1 grain of Terpin Hydrate and $\frac{1}{8}$ grain of Heroin Hydrochloride.

ELIXIR TERPINI CO. FORT. (Woolley.)

1 fluid drachm = 2 grains of Terpin Hydrate and $\frac{1}{8}$ grain of Heroin Hydrochloride.

ELIXIR VIBURNI COMP. (Woolley).

A valuable uterine sedative and anodyne.

GLYCERIN. HEROIN CO. (Woolley).

1 fluid drachm = $\frac{1}{8}$ grain of Heroin Hydrochloride and 3 grains of Ammonium Hypophosphite, combined with Hyoscyanus, Tolu, Glycerin, and Aromatics.

LINCTUS CREOSOTI CO (Woolley).

1 fluid drachm = $\frac{1}{2}$ grain of Codeina, 1 grain of Terpin Hydrate, 1 minim of Creosote, 5 grains of Sodium Formate, and Aromatics.

LINCTUS GUAIACOL COMP. (Woolley.)

1 fluid drachm = $\frac{1}{2}$ grain of Acetomorph. Hydrochlor., 1 grain of Terpin Hydrate, 1 minim of Guaiacol, 1 grain of Calcium Glycerophosphate, 1 grain of Sodium Glycerophosphate, and Aromatics.

LIQUOR SANTALI CO. (Woolley).

A combination of Yellow Sandal Wood Oil with Maranham Copaiba and fluid extracts of Cubeb and Buchu.

LIQUOR THYMOL ALKALINUS (Woolley.)

An Antiseptic Deodorising Solution, containing Thymol, Menthol, Eucalyptol, Sodium Benzoate, Borax, &c.

All the above in bottles containing 10, 20, 40, and 80 fluid ounces.

AKOLETHE (Woolley).

A solution of the sedative principles of Opium.
In bottles containing 4, 8, and 16 fluid ounces.

COD LIVER OIL EMULSION with GLYCEROPHOSPHATES (Woolley).

An Egg Emulsion of Cod Liver Oil, containing 7 grains of Glycerophosphates in each fluid ounce.
In bottles, retail 2/- and 3/6.

MEDULLA-PHOSPHATES (Woolley).

Synonym:—Glycerin, Glycerophosph. c. Medulla Rubra.

A new Chemical Food, prepared from the Glycerophosphates of Calcium, Potassium, Sodium, Magnesium, Iron and Manganese, in combination with Glycerophosphoric Acid and Red Bone Marrow.

PEPTO-PANCREATIN (Woolley).

A valuable combination of digestive ferments in powder form. It consists of Pepsin, Pancreatin, Diastase, Hydrochloric and Lactic Acids, in Milk Sugar.

In 1, 2, 4, and 8 oz. bottles.

TABELLÆ PEPTO-PANCREATIN (Woolley),

In 1, 2, 4, and 8 oz. bottles.

TABELLÆ SODÆ PHENAT. CO. (Woolley).

Antiseptic and Astringent.

In $\frac{1}{2}$ and 1 lb. bottles.

TROCHISCI SODÆ PHENAT. CO. (Woolley).

Antiseptic and Astringent.

In $\frac{1}{2}$ and 1 lb. bottles.

PASTA ICHTHYOL CO. (Woolley).

Containing Ichthyol, Peta - Naphthol, Sulphur, Salicylic Acid, Resorcin, Zinc Oxide, &c.

In 1, 2, and 4 lb. tins.

PASTA THIOL ET ZINCI (Woolley).

Very useful in the treatment of acne, erysipelas, pruritus, &c.

1 lb. and 2 lb. sizes.

UNGUENTUM RESORCIN. CO. (Woolley).

Extensively used for various forms of eczema, and for herpes, erysipelas, erythema, pruritus, &c.

In 2oz. and 4oz. jars, and 1, 2, and 4 lb. tins.

UNGUENTUM SEDATIVUM (Woolley).

Containing Zinc Oxide and Carbolic Acid, and other ingredients of a soothing and emollient nature.

In 2oz. and 4oz. jars, and 1 lb. and 2 lb. tins.

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PRICE LISTS AND ILLUSTRATED CATALOGUES FREE ON APPLICATION.
EXPORT ORDERS: Indents through British Shippers.

DR. STEDMAN'S TEETHING POWDERS.



Contain nothing to prevent exportation. Offer facilities for trading.

1/1½ size (9 powders) **2/9** (30 powders) **4/6** (60 powders) **11/-** (216 powders)
6/6 per doz. **18/-** doz. **34/-** doz. **120/-** doz.

Discount 5 per cent. on £10 worth for Cash.

Dr. STEDMAN'S WORM POWDERS FOR CHILDREN AND ADULTS.

1/1½ size, 9 6 per doz.

125 NEW NORTH ROAD, LONDON, N.

**LIVING PROFIT GUARANTEED.
BEST IN 1787—BEST NOW.
A TEST OF RELIABILITY.**

45%

By selling 1 doz. 2/9, 13 to a doz.

The 2/9 Box contains three Boxes of the 13½d. Pills.

It will Pay to Push the Sale of the 2/9 Box.

KEARSLEY'S

(Over 100 Years' Reputation)

WIDOW WELCH'S ORIGINAL FEMALE PILLS.

P.A.T.A. 13½d., 9 6 per doz.
PRICES TO THE TRADE. 2/9 size, 23/- per doz., 13 to doz.
 Minimum Re-selling Prices, 13½d.—1/-, 2/9—2 6.

The Retailer knows that Kearsley's are "The Genuine," and we trust the trade will explain this to all customers who ask for cheaper imitations.

VERY SPECIAL REDUCED TERMS TO Shippers for Bottles for Export 13 to doz., 2/9 size, and for 3 Gross of Boxes.

Unless so packed we cannot be responsible.

N.B.—These Pills do not contain any deleterious or prohibitive drugs, and can be sold with safety in the Colonies at good profits.

G. & G. KEARSLEY, Depot: 42 WATERLOO RD., LONDON, S.E.—
 (Late of 17 North Street, Westminster.)

Popular Priced Pills

Soluble Pearl-Coated.

Pil. Aloes et Ferri, gr. iv.; Ol. Pulegii, ℥ ½ 2d. per gross.
Pil. Antibilious, Pil. Hydrarg., Pil. Rhei Co., aa. gr. ij. ss. 4d. per gross.
Pil. Aperient (Ext. Aloes Aquos ʒj., Pulv. Cambog. gr. iv., Pulv. Jalapae, gr. viij.; Pulv. Colocynth, gr. vj.; Pulv. Hyd. Subchlor., gr. iv.; Sapo Hyspan. gr. iv.; Gingerin, gr. iv.; Ft. Pil. xij.) 2½d. per gross.
Pil. Aperient (Little) (Aloin, Jalapin, aa. gr. 1-10; Podophyllin gr. 1-5; Ext. Hyoscy., Ext. Nucis Vom., Capsicin, aa. gr. 1-20) 2d. per gross.
Pil. Back and Kidney (Oval) Gelatine-coated (Ext. Buchu, Ext. Uvae Ursi, Pulv. Capsici, aa. gr. ½; Ol. Juniper., ℥ ½; Pulv. Pot. Nit., gr. j.; Podophyllin, gr. ½; Tereb. Venet., gr. ½ 7d. per gross.
Pil. Castor Oil (Ol. Ricini, gr. ½; Pot. Sulph., gr. 1½; Pulv. Rhei, gr. ij.; Sapo Hyspan., gr. ½; Ol. Crotonis, gr. 1-16) 2d. per gross.
Pil. Calcii Sulphid., gr. ½ ½ ½, or 1 2½d. per gross.
Pil. Coloc. Co., B.P. 5½d. per gross.
Pil. Coloc. et Hyoscy., B.P. 5½d. per gross.
Pil. Dandelion and Camomile (Ext. Taraxaci, Ext. Anthem, Pulv. Rhei, aa. gr. j.; Pulv. Zingib., Pulv. Aloes Barb., aa. gr. ½; Ol. Carui, gr. ½) 2½d. per gross.
Pil. Ferri Co., B.P. 9 6 per 100 gross.
Pil. Gout and Rheumatic (Ext. Colchici Acet., gr. ss.; Pil. Hydrarg., Pil. Rhei Co., Ext. Hyoscy., aa. gr. j.) 7d. per gross.
Pil. Ipecac. et Scillae, B.P. 3d. per gross.
Pil. Neuralgic (Quineti, Ferri Sulph., aa. gr. ½; Ext. Bellad., gr. ½; Ext. Colchici Acet., gr. ½; Hyoscy., Camphorae, aa. gr. j.) 8d. per gross.
Pil. Podophyllin (Podophyllin gr. ½; Ext. Coloc. Co., gr. ½; Pulv. Aloes Socot., gr. j.; Pulv. Scammon., gr. ½; Sapo Hyspan., Ext. Hyoscy., Gingerine, aa. gr. ½) 5d. per gross.
Pil. Quinine, gr. j. 5½d. per gross.
Pil. Quinine, gr. ij. 9d. per gross.
Pil. Rhei Co., B.P. 2d. per gross.
Pil. Stomach and Liver Beans (Oval) Gelatine-coated, same Formula as Pil. Aper., but with 1 gr. Calomel in each Bean 5d. per gross.

Minimum quantity, 5 × 10 gross tins, which may be assorted, with the exception of Pil. Ferri, B.P. All Pills Pearl-coated unless otherwise indicated. No extra for coloured coatings.

Only Terms: CASH WITH ORDER. All packages free. Quality guaranteed. Finish unsurpassed. Carriage paid.

SOLE ADDRESS:

The Pill, Tablet & Capsule Alliance,
 65 Rose Hill Street, **DERBY.**

PRICES ISSUED WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this paper on Terms as below.

Heliotropine, 1 lb. @ 7/- lb.	Mag. Calc. Poud., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.	Oss. Sepiæ Pulv. 1 cwt. @ 6d. lb.; 7 lbs. @ 7½d. lb.
Hellebore White Powder (Foreign Ground), 1 cwt. @ 28/6 cwt. [2/4 lb.	Mag. Carb. Poud., 56 lbs. @ 6½d. lb.; 7 lbs. @ 7½d. lb.	Otto Rose, finest, 1 oz. @ 20/6 oz.; No. 2, 1 oz. @ 15/6 oz.
Hexamethylenetetramine, 7 lbs. @ 2/2 lb.; 1 lb. @ 2/5 lb.; 1 lb. @ 2/9 lb.; Amon, 28 lbs. @ 2/11 lb.; c. Cretā, 28 lbs. @ 1/4 lb.; Iodid. Rub., 28 lbs. @ 8/7 lb.; Oxid. Rub., 28 lbs. @ 2/10 lb.; Perchlor. 28 lbs. @ 2/3½ lb.; Subchlor., 28 lbs. @ 2/7½ lb.; Sulph. c. Sulph., 28 lbs. @ 2/5 lb. 7-lb. quantities 1d. lb. extra. 3 lb. quantities 2d. lb. extra, 1 lb. quantities 3d. lb. extra.	Mag. Carb. Levis, 70 lbs. @ 3d. lb.; 7 lbs. @ 3½d. lb.	Oxymel Scillæ, B.P., 5 cwt. @ 3/- cwt.; 1 cwt. @ 3/- cwt.; * 7 lbs. @ 6d. lb.
Hydrokinone, 7 lbs. @ 3/4 lb.; 1 lb. @ 3/7 lb.	Mag. Cit. Gran., 28 lbs. @ 8d. lb.; 6 lbs. @ 3½d. lb.	Papain 1/40, 1 lb. @ 16/6 lb.; 1 oz. @ 1/5 oz.
Iethylol Ammon, 3 lbs. @ 10/9 lb.; 1 lb. @ 11/- lb.	Mag. Sulph., fine druggists', B.P., 1 cwt. @ 6/- cwt.	Paraffinum Durum B.P. 2 cwt. @ 3½d. lb.; 1 cwt. @ 3½d. lb.; 56 lbs. @ 4d. lb.; 7 lbs. @ 5d. lb.
*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/1 lb.	Mauna, fine New Flake, 14 lbs. @ 2/8 lb.; 7 lbs. @ 2/10 lb.; 1 lb. @ 3/4.	Molle Flav. B.P., 3½ cwt. @ 16/6 cwt.; 1 cwt. @ 25/- cwt.; 28 lbs. @ 3½d. lb.; 7 lbs. @ 4d. lb.; Alb. B.P., 3½ cwt. @ 55/- cwt.; 28 lbs. @ 7d. lb.
*" Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb.	Menthol, dry white cryst., 60 lbs. @ 7/2 lb.; 5 lbs. @ 7/6 lb. [2/4 lb.	Paraldehyde, B.P., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.
*" Buchu Conc., 1 to 7, 6 lbs. @ 1/1 lb.	*Mist. Sennæ Comp. B.P., 20 lbs. @ 6½d. lb.; 6 lbs. @ 1/2 lb.	Pepsin, P.B., 10 lbs. @ 8/10 lb.; 1 lb. @ 9/6 lb.
*" Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.	Morphine, Acet. Hydrochlor. or Sulph., Pulv., B.P., 16 oz. @ 6/6 oz.; 8 oz. @ 6/8 oz.; 1 oz. @ 7/- oz.; Pur. Præcip., Bimeconate or Tart., 1 oz. @ 3/11 oz.	Phenacetin, P.B., pulv. 1 cwt. @ 2/8 lb.; 7 lbs. @ 2/10 lb.; 1 lb. at 3/- lb.
*" Caryoph. Conc., 1 to 7, 6 lbs. @ 11d. lb.	Morphine Diacetyl., 4 oz. @ 10/- oz.; 1 oz. @ 10/9 oz.; Hydrochlor., 6d. oz. less.	Phenazon, P.B., 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.
*" Cascarilla Conc., 1 to 7, 6 lbs. @ 1/2 lb.	Myrrh, Gum, English Ground, 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/4 lb.	Phenolphthalein, 7 lbs. @ 8/10 lb.; 1 lb. @ 10/- lb.
*" Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/7 lb.	Naphthaline Candles or Balls, 1 cwt. @ 12/- cwt.; 56 lbs. @ 14/- cwt.; 28 lbs. @ 15/6 cwt.	Pix. Burgund. Druggists' 1½ cwt. @ 20/- cwt.; 7 lbs. @ 3½d. lb.
*" Gentianæ Co., 1 to 7, 6 lbs. @ 11d. lb.	Nux Area, 1 cwt. @ 28/- cwt.; powder, English ground, @ 66/- cwt.	Plumbi Acetas, Druggists', 1 cwt. @ 35/6 cwt.; 7 lbs. @ 4½d. lb.; Powder, 1d. lb. extra.
*" Quassia Conc., 1 to 7, 6 lbs. @ 9d. lb.	Ol. Amygdal. Aug. B.P., 9 lbs. @ 1/10 lb.	Podophylli Resina, P.B., 1 lb. @ 11/- lb.
*" Rhei Conc., 1 to 7, 6 lbs. @ 1/5 lb.	Ol. Amygdal. Essent. Artificial, free from Chlorine, 5 lbs. @ 3/6 lb.; 1 lb. @ 4/- lb.	Potassa Caustica Sticks, P.B., 28 lbs. @ 10d. lb.; 6 1-lb. Bots. @ 11d. lb.
*" Rosæ Acid, Conc. 1 to 7, 6 lbs. @ 1/8 lb.	Ol. Anethi Ang. B.P., 1 lb. @ 12/- lb.	Potas. Acetas, Grau, P.B., 28 lb. @ 1/- lb.; 7 lbs. @ 1/1 lb.
*" Senegæ Acid, Conc. 1 to 7, 6 lbs. @ 2/- lb.	Ol. Anisi, E.L., 66 lbs. @ 4/6 lb.; 1½ lbs. @ 4/10 lb.; 1 lb. @ 5/6 lb.	" Bicarb. pulv., 1 cwt. @ 32/6 cwt.; 7 lbs. @ 11½d. lb.; 7 lbs. @ 1/- lb.
*" Valeriani Conc., 1 to 7, 6 lbs. @ 1/3 lb.	Ol. Aurant. 12 lbs. @ 7/- lb.; 1 lb. @ 8/- lb.; not guaranteed absolutely pure.	" Chlor. Pulv., 1 cwt. @ 4d. lb.; 7 lbs. @ 11½d. lb.; 7 lbs. @ 1/8 lb.
Insect Powder, Opt. English grd., closed flowers, 28 lbs. @ 1 cwt.; 7 lbs. @ 1 lb. Foreign grd., 1 cwt. @ 80/- cwt.; 28 lbs. @ 9d. lb.	Oil of Bays, genuine W.I., 9 lbs. @ 9/6 lb.	" Oyanidum 98 %, 1 cwt. @ 11½d. lb.; 7 lbs. @ 1/2 lb.
Iodoform Pulv. B.P., 7 lbs. @ 12/- lb.; 3 lbs. @ 12/4 lb.; 1 lb. @ 12/7 lb. [1/4 lb.	Ol. Cajuput, B.P., 16 oz. Bots. @ 2/9 lb.	Potass. Iod. P.B., 1 cwt. @ 7/9 lb.; 14 lbs. @ 7/10 lb.; 3 lbs. @ 7/11 lb.
Iodum. resub. B.P., 7 lb. @ 10/6 lb.; 1 lb. @ 11/3 Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb. Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.	Ol. Camphor. Essent., White, 80 lbs. @ 40/- cwt.; 40 lbs. @ 44/- cwt.; brown, 80 lbs. @ 85/- cwt.; 40 lbs. @ 90/- cwt. [2/5 lb.	" Metabisulph., 1 cwt. @ 42/6 cwt.; 7 lbs. @ 6d. lb.
Lapis Pumicis, fine powder, 2 cwt. @ 8/- cwt.; 7 lbs. @ 1½d. lb.; lump, 2 cwt. @ 12/- cwt.; 7 lbs. @ 3d. lb.	Ol. Caryoph. Ang. B.P., 9 lbs. @ 3/3 lb.; 4½ lbs. @ 3½d. lb.	" Permangan. Cryst., 1 cwt. @ 38/- cwt.; 7 lbs. @ 5d. lb.; large cryst., 7 lbs. @ 6d. lb.
Licorice Juice, 4 and 2 oz. Sticks, 5 cwt. @ 57/- cwt.; 1 cwt. @ 58/- cwt.; 28 lbs. @ 7d. lb.; 7 lbs. @ 7½d. lb.	Ol. Cassia, 16½ lbs. @ 4/11 lb.; 6 lbs. @ 5/1 lb.	" Prussias Flav., 7 lbs. @ 7½d. lb.
*Lin. Aconiti Meth., 5 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb.	Ol. Cinnam. B.P., 1 lb. @ 30/- lb.; 1 oz. @ 2/6 oz.	Pulv. Caryoph. 7 lbs. @ 10d. lb.
*Lin. Bellad. Meth., 5 lbs. @ 1/5 lb.; 1 lb. @ 1/8 lb.	Ol. Citronelle, 40 lbs. @ 1/4 lb.	" Oretæ Arom. P.B., 14 lbs. @ 7d. lb.; o.
Lin. Camph. P.B., 40 lbs. @ 11d. lb.; 9 lbs. @ 1½d. lb.	Ol. Cocoa Nuclei, finest White, 80 lbs. @ 43/- cwt.; 40 lbs. @ 5½d. lb.	" Opio B.P., 7 lbs. @ 1/7 lb.
Lin. Sapo Meth., 9 lbs. @ 7d. lb.	Ol. Eucalypt., B.P., 1 cwt. @ 1/1½ lb.; 28 lbs. @ 1/2½ lb.; 9 lbs. @ 1/3½ lb.	Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 31/- cwt.
Lin. Tereb. Acet., B.P., 9 lbs. @ 1/- lb.	Ol. Gerani Gall. Opt., 1 lb. @ 18/6 lb.; 8 1-oz. bots. @ 1/11 oz.; 1 oz. @ 2/1 oz.; Turc., 1 lb. @ 9/- lb.; 4 oz. @ 12/6 lb.	" Ipecac. Comp. P.B., 1 lb. @ 3/- lb.
Linseed c. Oil, Crushed, 3 cwt. @ 16/- cwt.; 1 cwt. @ 16/6 cwt.	Ol. Gynocardia, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.	" Jalap Comp. P.B., 1 lb. @ 1/6 lb.
*Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 10½d. lb.; 1 lb. @ 1/0½ lb.	Ol. Juniperi Bacc., B.P., 4½ lb. @ 3/5 lb.; 1 lb. @ 3/9 lb.; Lignu. Exot., 1 cwt. @ 1/2 lb.; 28 lbs. @ 1/4 lb.; 9 lb. @ 1/5 lb. [9/3 lb.	" Rhei Comp. P.B., 1 lb. @ 1/2 lb.
*Liq. Ammon. Aromat., 6 lbs. @ 9d. lb.	Ol. Lavand. ab Flor., 5 lbs. @ 8/6 lb.; 1 lb. @ 8/6 lb.	Quassia Chips, 1 cwt. @ 13/6 cwt.; 28 lbs. @ 2d. lb.
*" Antim. Chlor. Pure, 8 lbs. @ 6½d. lb.	Ol. Mentb. Pip. English 5 lbs. @ 30/- lb.; 1 lb. @ 31/- lb.; Hotchicks original bots, 21 oz. each @ 9/7 lb.; 6 bots. @ 9/4 lb.; 18 bots. @ 8/11 lb.; American, 20 lbs. @ 6/6 lb. 4½ lb. @ 7/- lb.; 1 lb. @ 7/4 lb.; Japanese 60 lbs. @ 4/8 lb.; 5 lbs. @ 5/- lb.	Quinine Bisulph., 100 oz. @ 8d. oz.; 25 oz. @ 9d. oz.; 10 oz. @ 10d. oz.
*" Arsenicis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.	Ol. Morrhua, Nov. 1909, finest non-freezing Norwegian 25 gall. tin lined barrels; 1 barrel @ 69/- barrel; 2 gal. tins @ 7/6 each.	Quinine Ethyl Carb. (Tasteless), 100 oz. @ 2/5 oz.; 10 oz. @ 2/9 oz.
*" Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.	Ol. Myrrbane, 1 cwt. @ 48/- cwt.; 9 lbs. @ 6½d. lb.	Quinine Hydrobromas or Hydrochlor., B.P., 100 oz. @ 11½d. oz.; 25 oz. @ 1/0½ oz.; 10 oz. @ 1/2 oz.
*" Bismuth. P.B., 6 lbs. @ 10½d. lb.	Ol. Nuclei, 2 gall. tins @ 4/6 gall.	Quinina Sulph., P.B., 1,200 oz. @ 6½d. oz.; 100 oz. @ 6½d. oz.; 25 oz. @ 7½d. oz.; 10 oz. @ 8d. oz.
*" Copahia Bucha et Oubeb, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.	Ol. Olivæ, P.B., good yellow, 45-gall. barrel @ 5/- gall.; 2 galls. @ 5/9 gall.	Rad. Gent., English Ground, 1 cwt. @ 28/6 cwt.; 7 lbs. @ 4d. lb.
*" Easton., p.s. 1-3, B.P., 1 lb. @ 3/- lb.	Ol. Orange Sweet, not guaranteed absolutely pure; 1 lb. @ 10/6 lb. [1/7 lb.	Rad. Glycyrrh., English ground, 1 cwt. @ 20/- cwt.; 7 lbs. @ 3d. lb.
*" Ferri Dialisatus, 6 lbs. @ 7d. lb.	Ol. Origan Rubi, Coml., 28 lbs. @ 1/5 lb.; 9 lbs. @ 1/7 lb.	Rad. Jalap., English ground, 28 lbs. @ 2/- lb.; 7 lbs. @ 2/2 lb.
*" Ferri Iod. p.s. 1-7, 1 lb. @ 5/9 lb.	Ol. Peach Kernel (so-called) 1 cwt. @ 10d. lb.; 56 lbs. @ 10½d. lb.; 9 lb. @ 1/- lb.	Rad. Rhei, E. I., English ground, 1 cwt. @ 1/- lb.; 28 lbs. @ 1/1½ lb.; 7 lbs. @ 1/3 lb.
*" Ferri Perchlor. Fort. P.B., 7 lbs. @ 4d. lb.	Ol. Ricini Alb. Opt. Medicinal, 176 lb. @ 33/6 cwt.; 88 lb. @ 36/6 cwt.; 44 lb. @ 38/- cwt.; 9 lbs. @ 5½d. lb.	Rad. Rhei E. I., Trimmed, 7 lbs. @ 4/6 lb.; 1 lb. @ 4/9 lb.
*" Ferri Phosph. Co. p.s. 1-7, 7 lbs. @ 1/6.	Ol. Rosmarini Coml., 28 lbs. @ 1/6 lb.; 9 lbs. @ 1/7 lb.; B.P., 3 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.	Resorcin, B.P., 7 lbs. @ 3/2 lb.; 1 lb. @ 3/4 lb.
*" Hypophosph. Co. p.s. B.P.C., 1 lb. @ 3/4 lb.	Ol. Santali Flav. Ang. B.P., 5 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.	Sabadilla Seeds, 28 lbs. @ 8d.; 7 lbs. @ 9d.; Powder, 3d. lb. extra.
*" Iodi Fort. B.P., 5 lbs. @ 4/5 lb.	Ol. Sassafra, 28 lbs. @ 3/4 lb.; 1 lb. @ 3/8 lb.	Saccharue 550 or 500, 7 lbs. @ 34/6 lb.; 1 lb. @ 35/6 lb.; 330, 7 lbs. @ 27/- lb.; 1 lb. @ 28/6 lb. For Export only, 1 cwt. lots @ 4/- lb. for 550.
*" Morphinæ Acet. or Hydrochlor. P.B., 6 lbs. @ 2/4 lb.	" Sinapis Express, 1 gall. tins @ 4/6 each.	Sacchar. Ust., 1 cwt. @ 25/6 cwt.; 10 lbs. @ 4d. lb.
*" Opii Fed., 5 lbs. @ 3/3 lb.	" Staphisagria, Ang., 9 lbs. @ 4/6 lb.; 1 lb. @ 5/3 lb.	Saffron, Valentin, B.P., 1 lb. @ 33/- lb.; 1 oz. @ 2/6 oz.
*" Plumbi Subacet., B.P., 7 lbs. @ 2½d. lb.	" Succin. Rect., 28 lbs. @ 1/1 lb.; 9 lbs. @ 1/2 lb.; 4½ lbs. @ 1/3 lb. [7 lbs. @ 1/5 lb.	Sal. Acetos, 1 cwt. @ 6d. lb.; 56 lbs. @ 6½d. lb.; 7 lbs. @ 7d. lb.
*" Pruni Virg. p.s. 1-7, 5 lbs. @ 2/2 lb.	" Theobroma B.P., 8-oz. tabs, 28 lbs. @ 1/4 lb.; 5 lbs. @ 1/8 lb.; 1 lb. @ 1/10 lb.	Salicinum, B.P., 1 lb. @ 16/6 lb.
*" Rbecados pro syr., 1 to 7, 5 lbs. @ 1/11 lb.	" Wintergreen Artificial, 56 lbs. @ 1/4 lb.; 5 lbs. @ 1/8 lb.; 1 lb. @ 1/10 lb.	Salol, B.P., 7 lbs. @ 2/3; 1 lb. @ 2/6 lb.
*" Rhei p.s. 1-7, 6 lbs. @ 2/2 lb.	Opium Turc. B.P., 3 lbs. @ 14/- lb.; 1 lb. @ 14/6 lb.; powder, 6d. lb. extra.	Sang. Draconis pulv., English Ground, 1 cwt. @ 1/10½ lb.; 7 lbs. @ 2/-d. lb.
*" Santali Co., 1 lb. @ 3/- lb.	Orris, English Ground, 1 cwt. @ 60/- cwt.; 7 lbs. @ 8d. lb.	Santonium, P.B., 7 lbs. @ 13/- lb.; 1 lb. @ 13/6 lb.
*" Sennæ Dulc., 6 lbs. @ 1/4 lb.		Sapo Cast. Alb. pulv., 1 cwt. @ 58/6 cwt.; 56 lbs. @ 62/- cwt.; 7 lbs. @ 7½d. lb.; Animal pulv., 1 cwt. @ 50/6 cwt. 56 lbs. @ 6d. lb.; 7 lbs. @ 7d. lb.
*" Sennæ pro Syr. 1-7, 6 lbs. @ 2/- lb.		
*" Strychnina, Hyd. B.P., 6 lbs. @ 1/6 lb.		
*" Tolnt. pro Syr. 1-7, 6 lbs. @ 1/3 lb.		
*" Trinitrini B.P. 1 lb. @ 6/1 lb.		
Lithii Carb., P.B., 28 lbs. @ 2/4 lb.		
" Citras, B.P., 28 lbs. @ 2/6 lb.; 7 lbs. @ 2/9 lb.		
Lycopodium, 22 lbs. @ 1/10 lb.; 7 lbs. @ 2/- lb.		
Mag. Calc. Levis, 56 lbs. @ 8d. lb.; 5 lbs. @ 16d. lb.; 1 lb. @ 1/- lb.		

*Minimum quantity at these prices, Home Trade, 8 Winchester Quarts assorted. Export, 12 Winchester Quarts assorted.

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SOLUBLE PEARL COATED PILLS.

No.	per lb.	No.	per lb.	No.	per lb.
3 Pil. Aloes et Ferri B.P. ...	2/3	44 Hydrarg. Subchlor. ... gr. i.	4/-	123 Ol. Pulegii ... gtt. $\frac{1}{8}$	1/8
4 Pil. Aloes et Myrrh. B.P. ...	2/3	Ext. Coloc. Co. ... gr. iij.		Pil. Aloes et Ferri ... gr. iv.	
6 Pil. Coloc. et Hyoseyam. B.P. ...	4/3	46 Hydrarg. Subchlor. ... gr. j.	5/-	127 Ergotin ...	6/9
12 Pil. Rhei Co., B.P. ...	1/6	Pil. Coloc. Co. ... gr. iv.		Ferri Sulph. Exsic. ...	
15 Pil. Hydrarg. ... gr. i.	2/2	48 Hydrarg. Subchlor. ... gr. i.	3/2	Ext. Hellebor. ...	
„ Rhei Co. ... gr. iij.		Pil. Rhei Co. ... gr. iv.		„ Aloes Soc. ... aa. gr. i.	
17 Pil. Hydrarg. ... gr. iij.	2/4	52 ALOIN.	1 lb. 8/-	Ol. Sabinæ ... gtt. ss.	
„ Rhei Co. ... gr. iij.		Jalapin ... aa. gr. $\frac{1}{16}$		128 Ol. Pulegii ... m. $\frac{1}{4}$	3/9
18 Pil. Hydrarg. ...	2/4	Podophyllin ... gr. $\frac{1}{8}$		Pil. Aloes et Ferri ... gr. iv.	
„ Rhei Co. ... aa. gr. ijss.		Ext. Hyosey. ...		Apiol ... m. $\frac{1}{8}$	
19 Pil. Hydrarg. ... gr. i.	3/-	„ Nuc. Vom. ...		160 Ext. Colchici ...	3/6
„ Rhei Co. ... gr. iij.		Capsicin ... aa. gr. $\frac{1}{20}$		Ammon. Carb. ... aa. gr. $\frac{1}{4}$	
Ext. Hyosey. ... gr. i.		86 Ol. Ricini ... gr. ss.	1/8	Guaiaei Resinæ ... gr. iv.	
21 Pil. Hydrarg. ... gr. iij.	4/8	Pot. Sulph. ... gr. iss.		Pulv. Opii ... gr. $\frac{1}{8}$	
„ Ext. Coloc. Co. ... gr. iij.		Pulv. Rhei ... gr. ii.		162 Ext. Colchici Acet. ... gr. ss.	4/6
25 Pil. Hydrarg. ...	4/8	Sapo Hyss. ... gr. ss.		Pil. Hydrarg. ...	
„ Ext. Coloc. Co. aa. gr. ij.		Ol. Crotonis ... gr. $\frac{1}{16}$		Pil. Rhei Co. ...	
„ „ Hyosey. ... gr. i.		97 Pulv. Ipecac. Co. ...	3/6	Ext. Hyosey. ... aa. gr. i.	
35 Ext. Aloes Aquosum ... sc. j.	1/8	Pulv. Gum Ammon aa. gr. iss.		201 Podophyllin ... gr. $\frac{1}{4}$	4/-
Pulv. Cambog. ... gr. iv.		„ Scillæ ... gr. i.		Pil. Rhei Co. ... gr. iiss.	
„ Jalapæ ... gr. viij.		„ Sapo. Hyss. ... gr. ss.		Ext. Hyosey. ... gr. ii.	
„ Colocynth ... gr. vi.		111 Ext. Taraxaci ... gr. $\frac{3}{4}$	1/6	205 Podophyllin ... gr. $\frac{1}{4}$	4/9
„ Hyd. Subchlor. ... gr. iv.		„ Aloes Aquos ... gr. iss.		Ext. Coloc. Co. ... gr. ss.	
„ Sapo Hispan. ... gr. iv.		Pulv. Zingib. ...		Pulv. Aloes Soc. ... gr. i.	
Gingerin ... gr. ij.		Rhei ...	1/6	„ Scammon. ... gr. $\frac{1}{4}$	
Ft. Pil. iij.		Sapo Mollis ... aa. gr. $\frac{3}{4}$		Sapo. Hyss. ...	
Each Pil. contains Calomel, gr. $\frac{1}{3}$.		113 Ext. Aloes Aq. ... gr. i.	3.2	Ext. Hyosey. ... aa. gr. $\frac{1}{8}$	
40 Pil. Aperiens Hospital ...	1/8	„ Gentian ... gr. ii.		208 Podophyllin ... gr. $\frac{1}{6}$	4/-
Ext. Aloes Aquosum ... gr. ij.		„ Anthem. ... gr. i.		Ext. Nuc. Vom. Alc. ... gr. $\frac{1}{4}$	
Pulv. Gambogiae ... gr. ss.		Pulv. Capsici ... gr. $\frac{1}{4}$		Pil. Rhei Co. ... gr. iv.	
„ Jalapæ ... gr. i.		116 Pulv. Digitalis ... gr. i.	4/6	122 Quinina Sulph. ... gr. i.	10 gro., 5d. gro. 50 gro., 4½d. gro.
„ Colocynth ...		„ Scillæ ... gr. ii.			
Hyd. Subchlor. ...		Pil. Hydrarg. ... gr. i.		213 Quinina Sulph. ... gr. ij.	10 gro., 9d. gro. 50 gro., 8½d. gro.
Pulv. Saponis ... aa. gr. ss.		118 Ext. Buchu ...			
Ol. Ment. Pip. ... gr. $\frac{1}{16}$.		„ Uvæ Ursi ...			
„ Caryoph. ... gr. $\frac{1}{8}$.		Pulv. Capsici ... aa. gr. $\frac{1}{4}$			
Ft. Pil. i.		Ol. Juniper ... m. $\frac{1}{4}$			
		Pulv. Pot. Nit. ... gr. i.			
		Podophyllin ... gr. $\frac{1}{6}$			
		Tereb. Venet. ... gr. $\frac{1}{8}$			

Except where otherwise stated, prices are for 7 lb. Tins. Carriage Paid. Packages Free.

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CASCARA SAGRADA (2 grn. Sugar Coated)

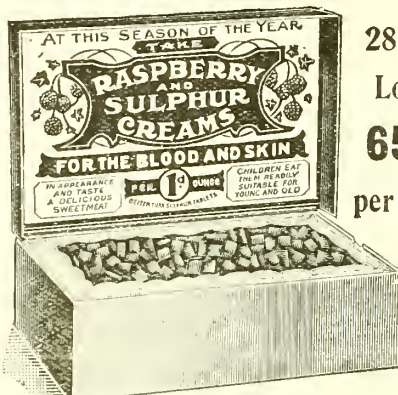
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Better than Sulphur Tablets.
Only show them,
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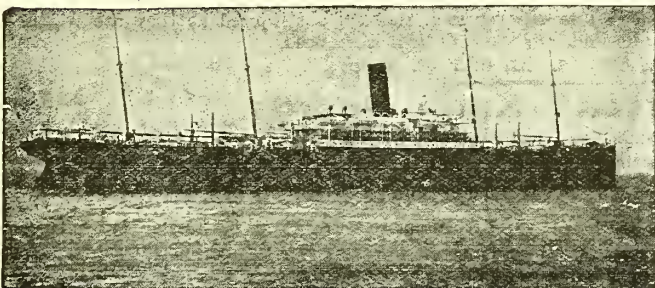
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MURINE. SANTOL. MILK WEED CREAM.

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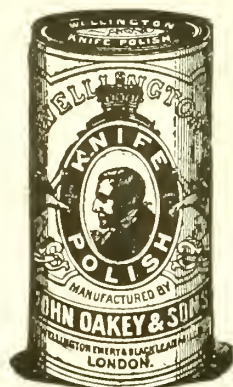
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PREPARED EXPRESSLY FOR OAKEY'S KNIFE BOARDS,
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Knives constantly cleaned with it have a brilliant polish equal to new cutlery, and are not injured as they are when
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The best and cheapest article for cleaning and polishing, without waste or dirt, Silver, Electro-Plate, Britannia Metal, Tin,
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Oakey's "Wellington" Black Lead.

Imparts an immediate, brilliant, and lasting polish to all kinds of Stoves, Ironwork, &c. No WASTE, DIRT, or DUST in
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In Circular Polished Blocks, 1d. and 1d. each; packed also in fancy boxes at 6d. each, containing 1 doz. 1/2d. blocks or
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A magic Pomade for cleaning Brass, Copper, Tin, Pewter, Britannia Metal, &c. Never becomes dry and hard like other
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Produces a most exquisite polish on Brass, Copper, Tin, &c. In fancy Boxes, at 6d. and 1s. each.

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For cleaning and polishing Furniture, Patent Leather, Oilcloth, &c. Bottles, 6d. and 1s. each.

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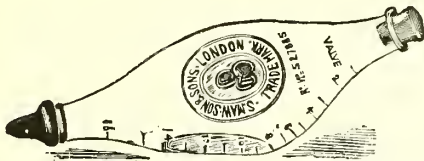
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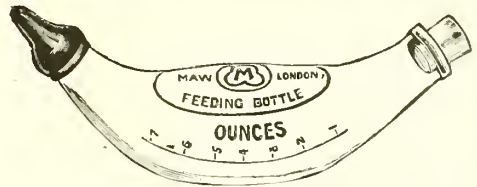
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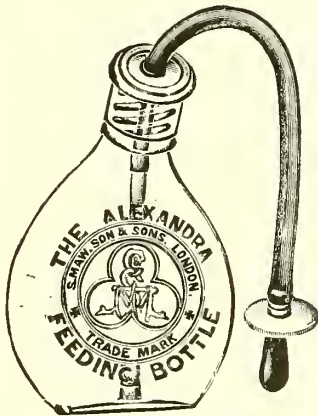


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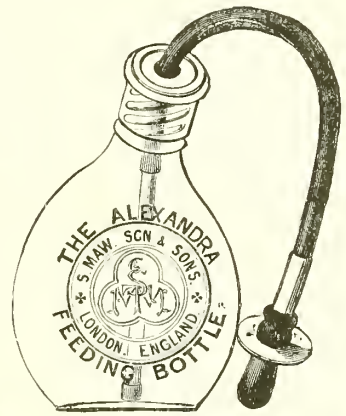


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WHITE GLASS,
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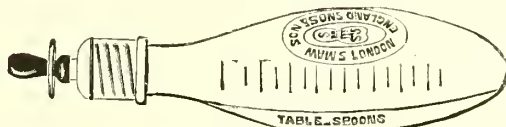
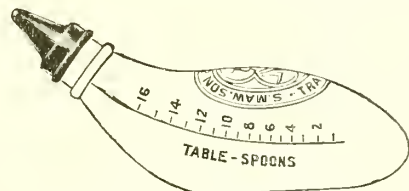
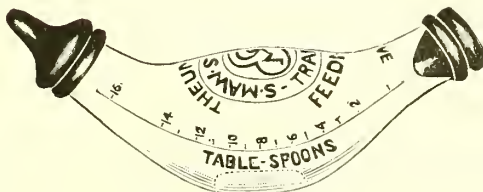


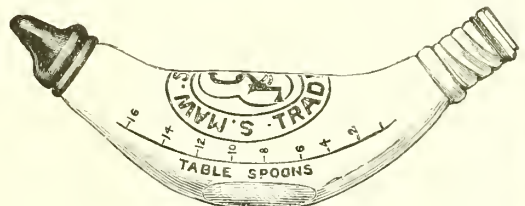
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6/9, 7/3, and 9/- per doz.



THE OVAL (WITH PIN-HOLE),
3/9 per doz.



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Two sizes: 8/- and 10/6 per doz.

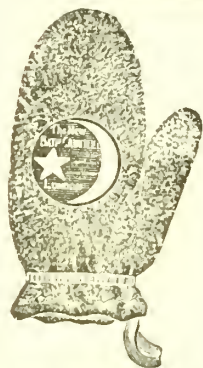
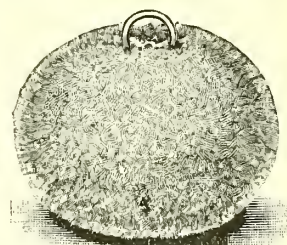
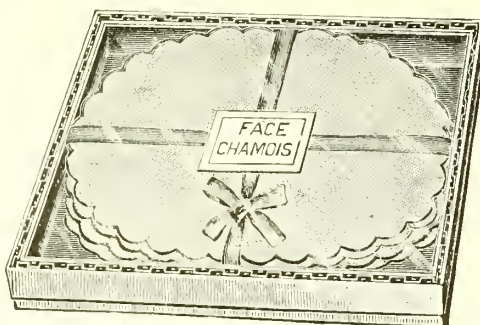


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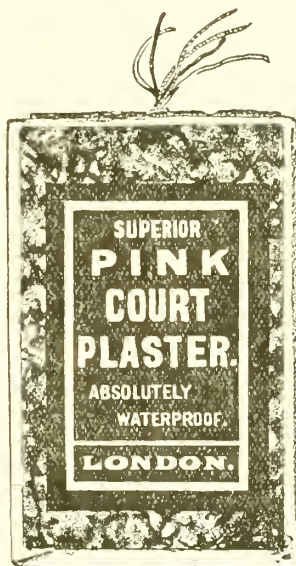
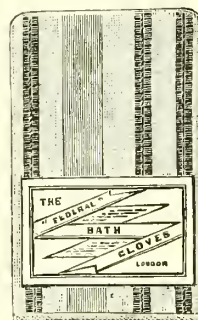
FROM THE

Fully Illustrated Price List of our Manufactures.

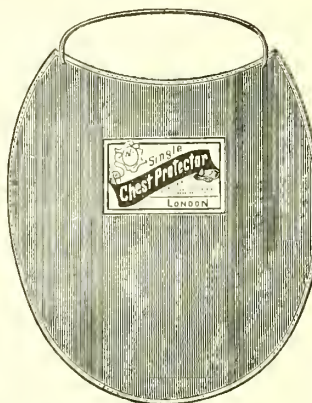
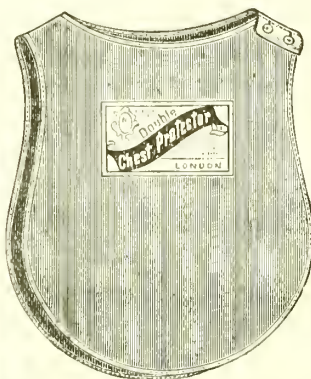
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1d. Case, actual size.



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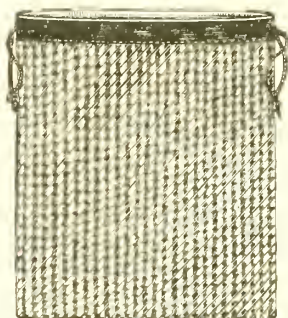
F. H. TAYLOR & SONS.

NEW WHARF ROAD, KING'S CROSS, LONDON, N.

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Nos. 1 2 3 4 5 6 7 8
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SPONGE WRAPPERS.

SUPER QUALITY CHECK.

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24/- 29/- 33/- doz.

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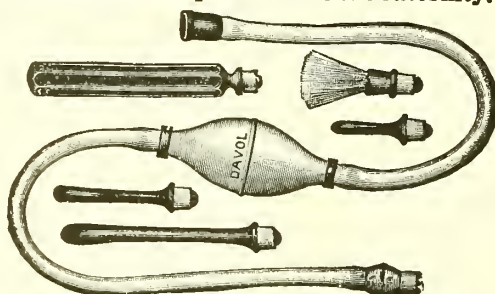
20 x 20 22 x 22 24 x 24
28/- 34/- 40/- doz.

Above Prices are subject to 7½ per cent. 1 month.

WILLIAM TOOGOOD, LTD.
77 SOUTHWARK STREET, LONDON, S.E.

DAYOL'S HOUSEHOLD SYRINGES.

Recommended by the Medical Fraternity.

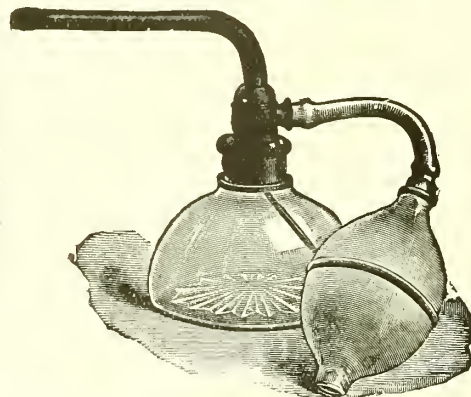


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The Valves are secured and cannot be lost, therefore ensuring efficiency at all times.

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For the Toilet; also for Throat and Nasal Applications, and employment in the Arts. **Made with Metal and Hard Rubber Tubes.** Are unequalled for Quality, Efficiency, and Durability, great care being taken in their manufacture to have a first-class instrument in every respect.

We Manufacture a Complete Line of **FOUNTAIN**
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Fine Rubber Goods Generally
For the Druggists' & Surgical Trade.

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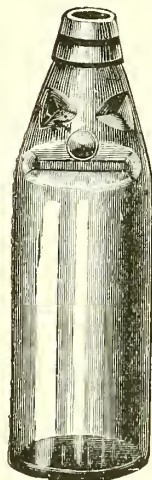
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Our machines produce Bottles and Jars of the finest quality, the metal being exceptionally bright and clear.

Export orders are very conveniently handled at our London Warehouse, South West India Dock, and we pay particular attention to the packing so as to prevent breakage in transit. Orders accepted direct or through Merchants.

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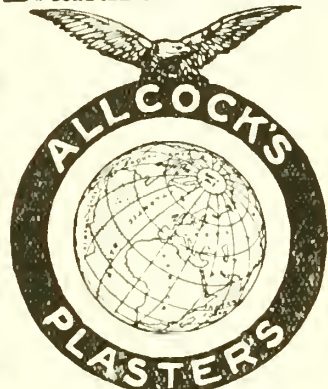
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A HANDSOME
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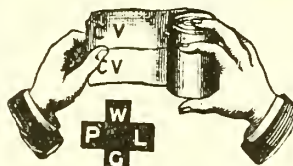
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 Webs, Bandages, and at half the
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Useful after many Abdominal Operations, and for Ladies after
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Beget to call attention to their **REDUCED PRICES.**
 We make the New Shape, Oval Fronted Bottles. No extra charge.

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3 & 4	6 & 8	12	16 ounce.	} Round edges, plain or graduated, quinine tinted
9/-	10/-	15/-	20/- per gross	

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PANEL BOTTLES (reduced prices).

2	3	4	6	8 ounce
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7/6	8/-	8/-	9/-	10/- per gross.
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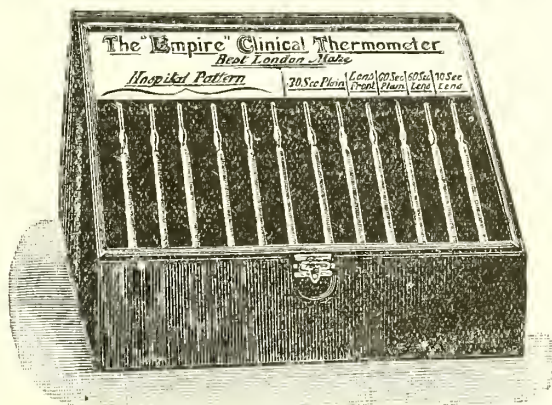
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Widths: 2 2½ 3 3½ 4 4½ 5 5½ 6 6½ 7 7½ 8 8½ 9 9½ 10 10½ 11 11½ 12 12½ 13 13½ 14 14½ 15 15½ 16 16½ 17 17½ 18 18½ 19 19½ 20 20½ 21 21½ 22 22½ 23 23½ 24 24½ 25 25½ 26 26½ 27 27½ 28 28½ 29 29½ 30 30½ 31 31½ 32 32½ 33 33½ 34 34½ 35 35½ 36 36½ 37 37½ 38 38½ 39 39½ 40 40½ 41 41½ 42 42½ 43 43½ 44 44½ 45 45½ 46 46½ 47 47½ 48 48½ 49 49½ 50 50½ 51 51½ 52 52½ 53 53½ 54 54½ 55 55½ 56 56½ 57 57½ 58 58½ 59 59½ 60 60½ 61 61½ 62 62½ 63 63½ 64 64½ 65 65½ 66 66½ 67 67½ 68 68½ 69 69½ 70 70½ 71 71½ 72 72½ 73 73½ 74 74½ 75 75½ 76 76½ 77 77½ 78 78½ 79 79½ 80 80½ 81 81½ 82 82½ 83 83½ 84 84½ 85 85½ 86 86½ 87 87½ 88 88½ 89 89½ 90 90½ 91 91½ 92 92½ 93 93½ 94 94½ 95 95½ 96 96½ 97 97½ 98 98½ 99 99½ 100 100½ 101 101½ 102 102½ 103 103½ 104 104½ 105 105½ 106 106½ 107 107½ 108 108½ 109 109½ 110 110½ 111 111½ 112 112½ 113 113½ 114 114½ 115 115½ 116 116½ 117 117½ 118 118½ 119 119½ 120 120½ 121 121½ 122 122½ 123 123½ 124 124½ 125 125½ 126 126½ 127 127½ 128 128½ 129 129½ 130 130½ 131 131½ 132 132½ 133 133½ 134 134½ 135 135½ 136 136½ 137 137½ 138 138½ 139 139½ 140 140½ 141 141½ 142 142½ 143 143½ 144 144½ 145 145½ 146 146½ 147 147½ 148 148½ 149 149½ 150 150½ 151 151½ 152 152½ 153 153½ 154 154½ 155 155½ 156 156½ 157 157½ 158 158½ 159 159½ 160 160½ 161 161½ 162 162½ 163 163½ 164 164½ 165 165½ 166 166½ 167 167½ 168 168½ 169 169½ 170 170½ 171 171½ 172 172½ 173 173½ 174 174½ 175 175½ 176 176½ 177 177½ 178 178½ 179 179½ 180 180½ 181 181½ 182 182½ 183 183½ 184 184½ 185 185½ 186 186½ 187 187½ 188 188½ 189 189½ 190 190½ 191 191½ 192 192½ 193 193½ 194 194½ 195 195½ 196 196½ 197 197½ 198 198½ 199 199½ 200 200½ 201 201½ 202 202½ 203 203½ 204 204½ 205 205½ 206 206½ 207 207½ 208 208½ 209 209½ 210 210½ 211 211½ 212 212½ 213 213½ 214 214½ 215 215½ 216 216½ 217 217½ 218 218½ 219 219½ 220 220½ 221 221½ 222 222½ 223 223½ 224 224½ 225 225½ 226 226½ 227 227½ 228 228½ 229 229½ 230 230½ 231 231½ 232 232½ 233 233½ 234 234½ 235 235½ 236 236½ 237 237½ 238 238½ 239 239½ 240 240½ 241 241½ 242 242½ 243 243½ 244 244½ 245 245½ 246 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579½ 580 580½ 581 581½ 582 582½ 583 583½ 584 584½ 585 585½ 586 586½ 587 587½ 588 588½ 589 589½ 590 590½ 591 591½ 592 592½ 593 593½ 594 594½ 595 595½ 596 596½ 597 597½ 598 598½ 599 599½ 600 600½ 601 601½ 602 602½ 603 603½ 604 604½ 605 605½ 606 606½ 607 607½ 608 608½ 609 609½ 610 610½ 611 611½ 612 612½ 613 613½ 614 614½ 615 615½ 616 616½ 617 617½ 618 618½ 619 619½ 620 620½ 621 621½ 622 622½ 623 623½ 624 624½ 625 625½ 626 626½ 627 627½ 628 628½ 629 629½ 630 630½ 631 631½ 632 632½ 633 633½ 634 634½ 635 635½ 636 636½ 637 637½ 638 638½ 639 639½ 640 640½ 641 641½ 642 642½ 643 643½ 644 644½ 645 645½ 646 646½ 647 647½ 648 648½ 649 649½ 650 650½ 651 651½ 652 652½ 653 653½ 654 654½ 655 655½ 656 656½ 657 657½ 658 658½ 659 659½ 660 660½ 661 661½ 662 662½ 663 663½ 664 664½ 665 665½ 666 666½ 667 667½ 668 668½ 669 669½ 670 670½ 671 671½ 672 672½ 673 673½ 674 674½ 675 675½ 676 676½ 677 677½ 678 678½ 679 679½ 680 680½ 681 681½ 682 682½ 683 683½ 684 684½ 685 685½ 686 686½ 687 687½ 688 688½ 689 689½ 690 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801½ 802 802½ 803 803½ 804 804½ 805 805½ 806 806½ 807 807½ 808 808½ 809 809½ 810 810½ 811 811½ 812 812½ 813 813½ 814 814½ 815 815½ 816 816½ 817 817½ 818 818½ 819 819½ 820 820½ 821 821½ 822 822½ 823 823½ 824 824½ 825 825½ 826 826½ 827 827½ 828 828½ 829 829½ 830 830½ 831 831½ 832 832½ 833 833½ 834 834½ 835 835½ 836 836½ 837 837½ 838 838½ 839 839½ 840 840½ 841 841½ 842 842½ 843 843½ 844 844½ 845 845½ 846 846½ 847 847½ 848 848½ 849 849½ 850 850½ 851 851½ 852 852½ 853 853½ 854 854½ 855 855½ 856 856½ 857 857½ 858 858½ 859 859½ 860 860½ 861 861½ 862 862½ 863 863½ 864 864½ 865 865½ 866 866½ 867 867½ 868 868½ 869 869½ 870 870½ 871 871½ 872 872½ 873 873½ 874 874½ 875 875½ 876 876½ 877 877½ 878 878½ 879 879½ 880 880½ 881 881½ 882 882½ 883 883½ 884 884½ 885 885½ 886 886½ 887 887½ 888 888½ 889 889½ 890 890½ 891 891½ 892 892½ 893 893½ 894 894½ 895 895½ 896 896½ 897 897½ 898 898½ 899 899½ 900 900½ 901 901½ 902 902½ 903 903½ 904 904½ 905 905½ 906 906½ 907 907½ 908 908½ 909 909½ 910 910½ 911 911½ 912 912½ 913 913½ 914 914½ 915 915½ 916 916½ 917 917½ 918 918½ 919 919½ 920 920½ 921 921½ 922 922½ 923 923½ 924 924½ 925 925½ 926 926½ 927 927½ 928 928½ 929 929½ 930 930½ 931 931½ 932 932½ 933 933½ 934 934½ 935 935½ 936 936½ 937 937½ 938 938½ 939 939½ 940 940½ 941 941½ 942 942½ 943 943½ 944 944½ 945 945½ 946 946½ 947 947½ 948 948½ 949 949½ 950 950½ 951 951½ 952 952½ 953 953½ 954 954½ 955 955½ 956 956½ 957 957½ 958 958½ 959 959½ 960 960½ 961 961½ 962 962½ 9

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Guaranteed Best London Make from Well-seasoned Tubes.

PRICES.

	Per doz.
"Hospital" Pattern, in metal case ...	9 0
"Hospital" Pattern, in 3 dozen lots ...	8 6
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Certificate of accu- racy for any Ther- mometer ...	5 0



PRICES.

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60 second, plain ...	12 0
,, lens front	16 0
30 second, plain ...	13 6
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Each Thermometer is packed in a specially designed card box with descriptive label on lid. We accept all risk from breakage in transit if advised by return of post.

A Glass-topped Showcase, as above illustration, GIVEN FREE with orders for 3 dozen Thermometers.

THE "MASTER" ANTI-RHEUMATIC RINGS.

	Covered in rolled gold.		9-carat gold, stamped.		15-carat gold, stamped.		18-carat gold, stamped.	
	Retail price, each.	Trade price, each.	Retail price, each.	Trade price, each.	Retail price, each.	Trade price, each.	Retail price, each.	Trade price, each.
No. 1501. Ordinary width...	4 6	2 0	7 6	4 0	15 0	9 0	21 0	13 6
,, 1502. Belcher shape ...	7 6	4 0	10 6	6 0	18 6	11 0	24 0	15 0
,, 1503. Chased ...	6 0	3 6	9 0	5 6	18 6	11 0	24 0	15 0

No. 1501, covered in rolled gold, is the best selling line.

SPECIAL PRICE, per doz., 24s. 0d.

With each DOZEN RINGS we supply, gratis, a handsome plush-covered showstand. Also a supply of neat booklets with full descriptive matter. Regulation size measurement cards free.

N.B.—Rings exchanged for other sizes if required. No license is required for the sale of these rings.

Try our well-known "EMPIRE" Brands of Goods.

ATOMIZERS, Nasal and Throat.
BANDAGES, India-rubber.
BELTS, Lady's and Gent's.
CLINICAL THERMOMETERS.
COMBS, Horn and Vulcanite.

CUSHIONS, Air and Water.
ENEMAS, all kinds.
GLYCERINE SYRINGES.
HOT WATER BOTTLES.
NASAL DOUCHES.

STOCKINGS, KNEE CAPS,
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VAGINAL DOUCHES,
WATER BEDS AND SHEET-
INGS.

N.B.—5 per cent. discount allowed for prompt cash off above and all list prices. CARRIAGE PAID on Orders of £2 and upwards to any town in the United Kingdom.

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MARK STREET MILLS,
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LINTS,
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COTTON WOOLS,
SURGEONS' TOW,
CARBOLIZED TOW,
SPLINT PADDING,
WADDINGS, &c., &c.

As supplied to Home and Foreign Governments.

"IMPERMIETTE" (Waterproof).
"IMPERMIETTE" BED SHEETING.
"HEALTH" CHEST PROTECTORS.
"VULNOPLAST."

ABSORBENT
TISSUE.



FIRST FIELD
DRESSINGS.

Telegrams:

"LINT LIVERPOOL."

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MESSRS.

WRIGHT TURNER & SON, Ltd.,

PENDLETON, MANCHESTER.

Have pleasure in informing their friends that they

**HAVE DISPOSED OF THE ABSORBENT
COTTON AND COTTON WOOL BRANCH**

OF THEIR BUSINESS TO

Messrs. W. G. TAYLOR.

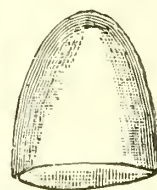
In making this announcement, Messrs. Wright Turner & Son, Ltd., take the opportunity of thanking their friends for past favours, and trust they will continue the same measure of support to their successors.

On and after May 31st will customers kindly direct their orders to W. G. Taylor, New Charford Mills, Salford, Birmingham.


W. G. TAYLOR, (a branch of Southall Bros. & Barclay, Ltd.)

BIRMINGHAM and BROMSGROVE.

RENDELL'S
SOLUBLE QUININE PESSARIES.



THE WORLD-WIDE REPUTATION that these Pessaries have obtained since their invention by W. J. Rendell in 1885 has induced unscrupulous persons to place upon the market worthless and injurious compounds, with colourable imitations of W. J. Rendell's labels. To distinguish the genuine Pessaries from these fraudulent concoctions, see that the Registered Trade Mark and Number, in **RED INK**, are upon each box thus:

Registered
Trade Mark, 
without which
none are genuine.
No. 182,688.

W. J. Rendell
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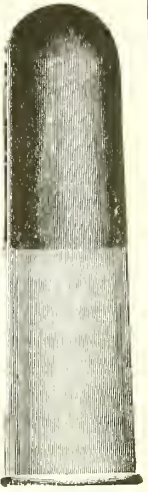
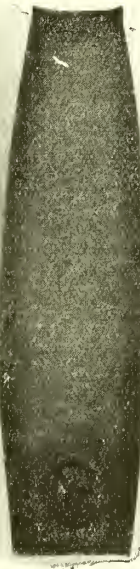
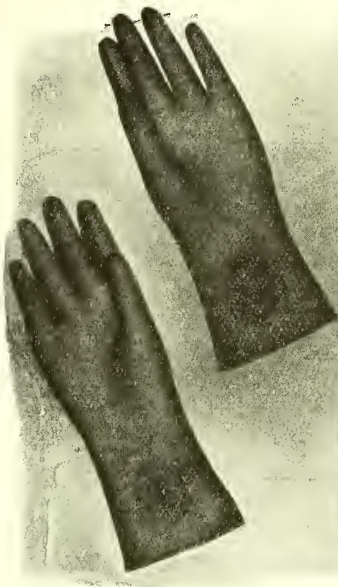
Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

IMPORTANT NOTICE AND CAUTION.

Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE CHEMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of "W. J. RENDELL," "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

W. J. RENDELL,
INVENTOR AND SOLE MAKER,
15 CHADWELL STREET, CLERKENWELL, LONDON, E.C.

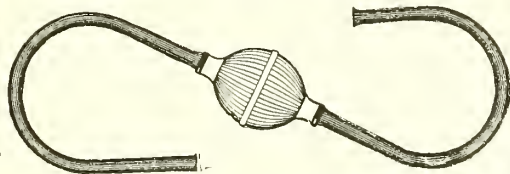
RUBBER GLOVES FOR ALL PURPOSES.



IMPROVED ROTUNDA DOUCHE.
Without Fittings.

PURE RUBBER.
Reinforced and strengthened at ends.

No. 71. OIL VAPORIZER.
The thickest Oils and Balsams are reduced to a cloudy vapour without condensation.



ATOMIZERS in various styles and prices.

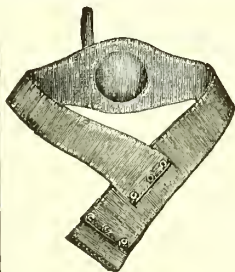


No. 2 R.

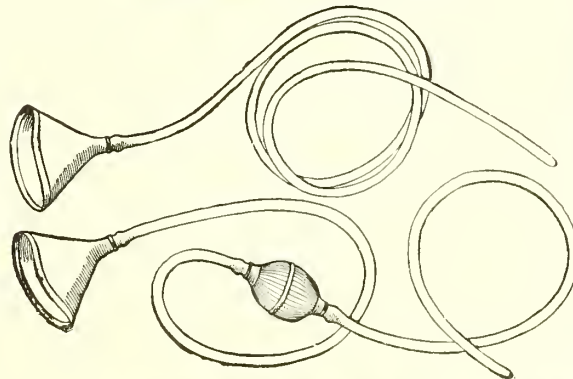
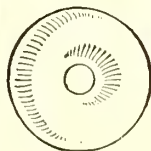


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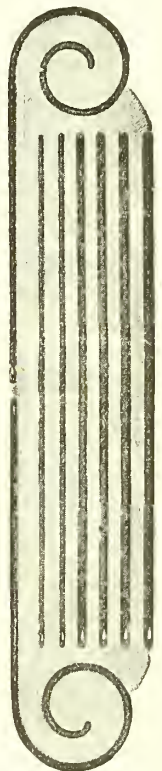
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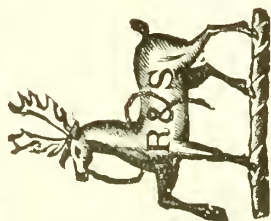
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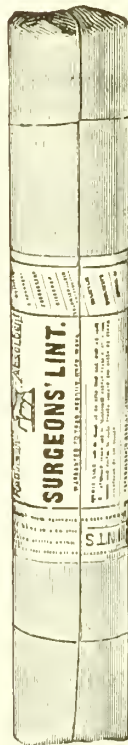
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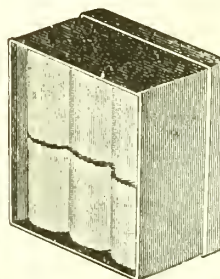
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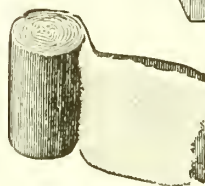
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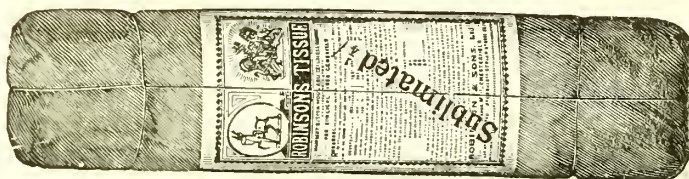
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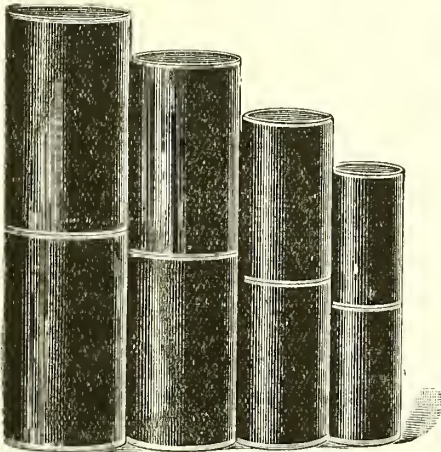
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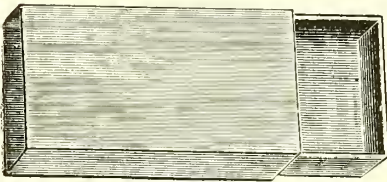
Absorbent Cotton in Cartons.



Patent D Fastener Folding Case.



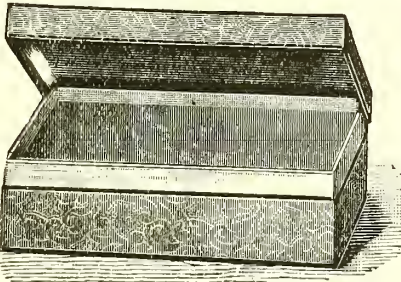
Purple Shouldered Bottle Cases.



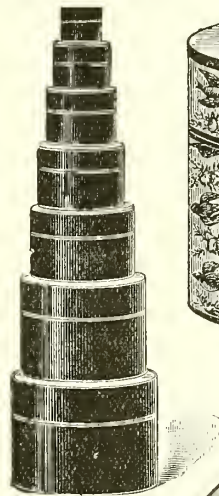
Dispensing Powder Slide.



Round Drum Shape Violet Powder.



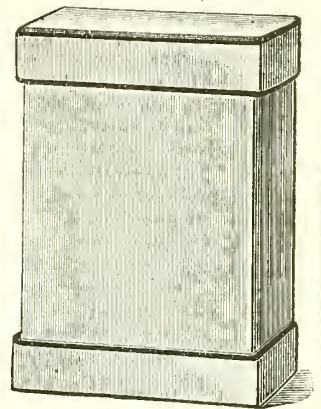
Seidlitz Powder Box, Shouldered and Hinged.



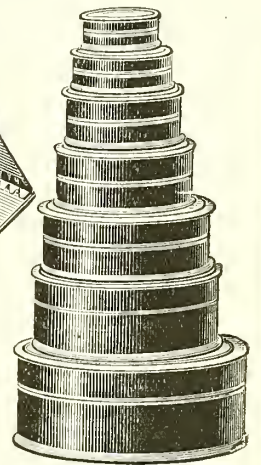
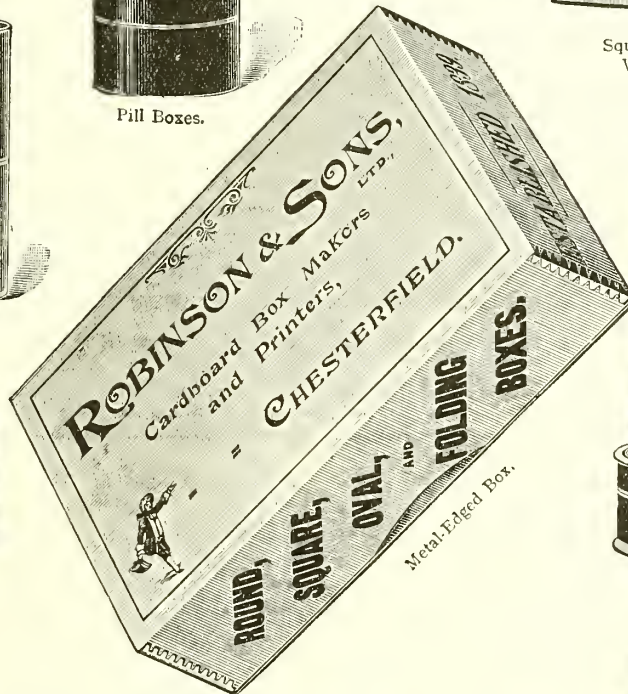
Pill Boxes.



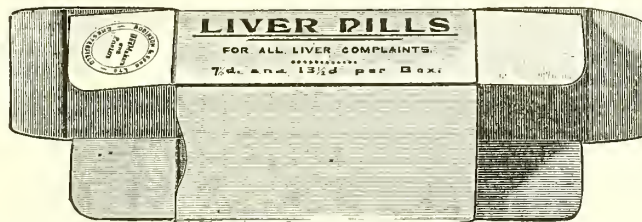
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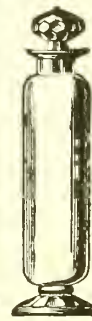
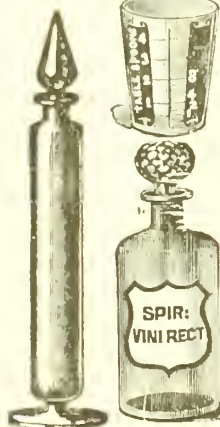
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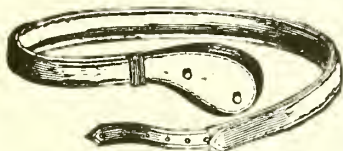


FIG. 31.

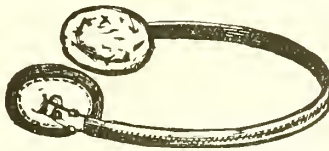


FIG. 40.

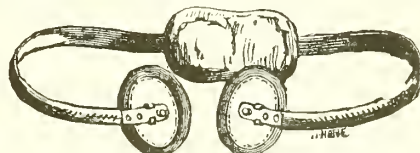


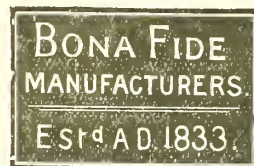
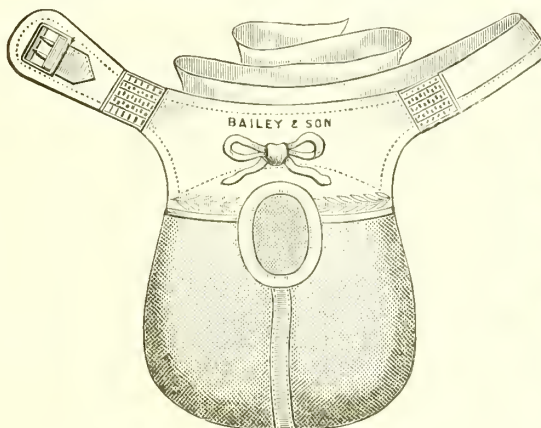
FIG. 41.

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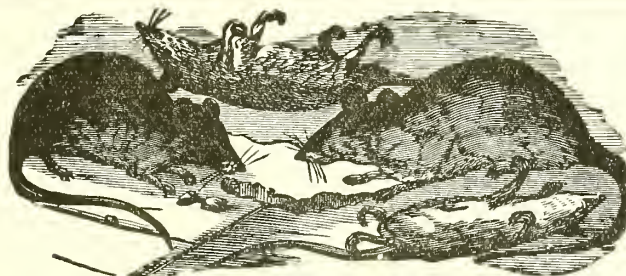
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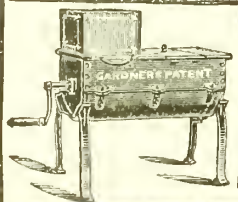
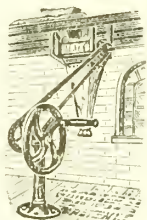
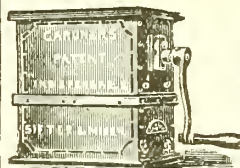
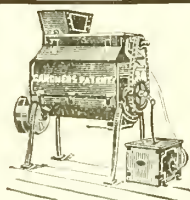
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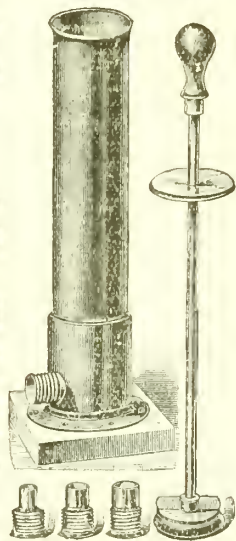
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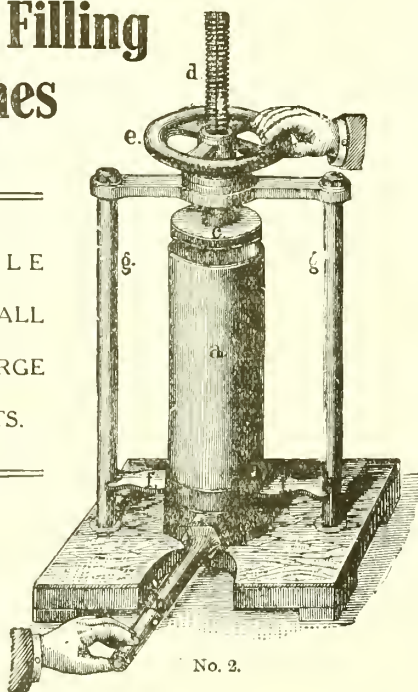
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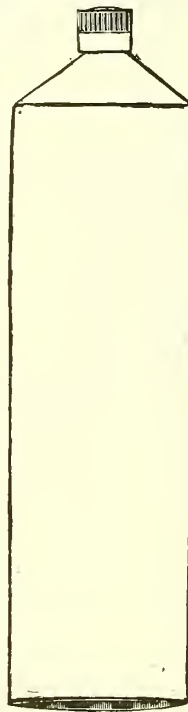


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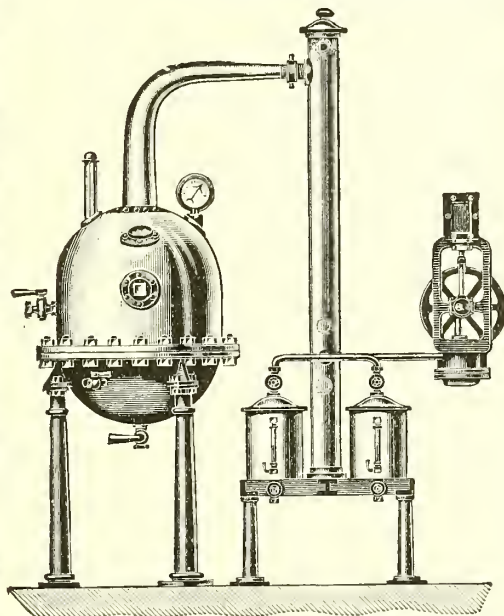
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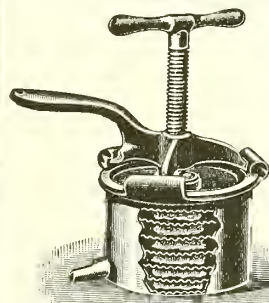
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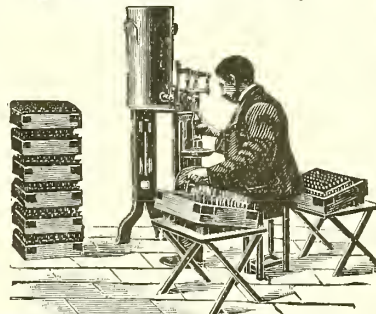


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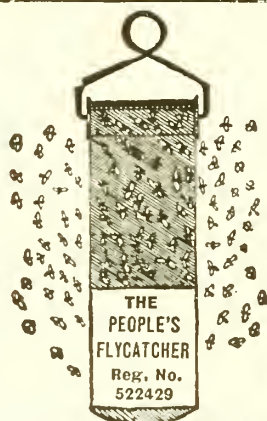
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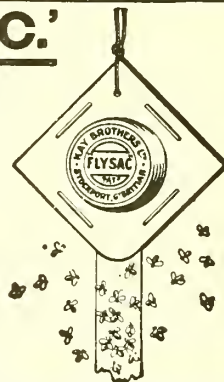
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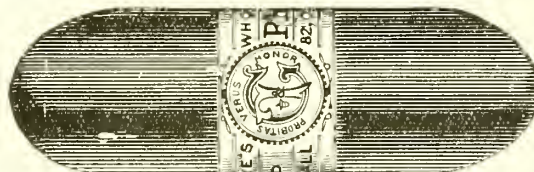
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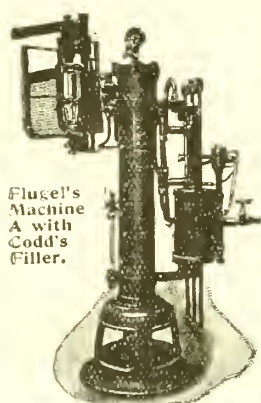
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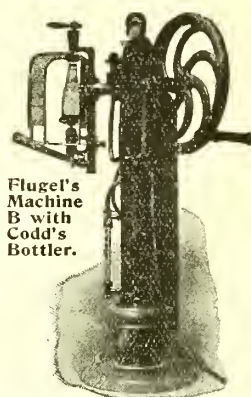
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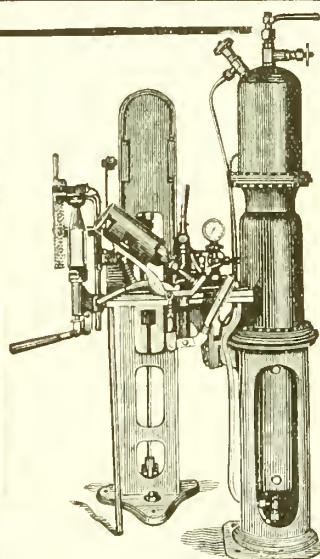
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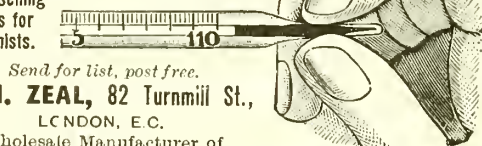
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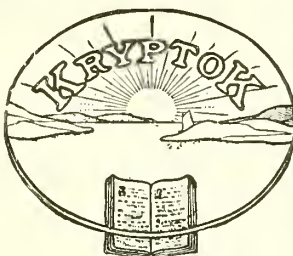
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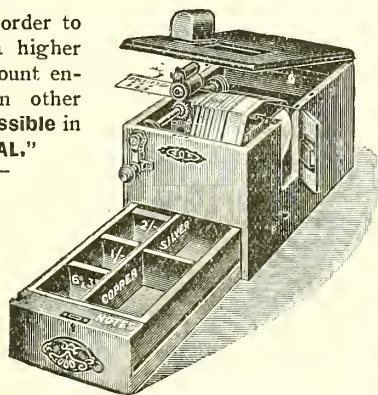
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